

ANNUAL REPORT

**COOPERATIVE WATER RESOURCE
MANAGEMENT AGREEMENT**

CALENDAR YEAR 2015

APPENDIX A

HYDROLOGIC CONDITION DETERMINATION



FINAL TECHNICAL MEMORANDUM 042115.1

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TO: CWRMA Technical Advisory Committee

DATE: May 1, 2015

FROM: Stetson Engineers

JOB NO: 2408-1003

RE: Hydrologic Conditions in the Santa Margarita River Watershed for the 2015 Calendar Year

INTRODUCTION

This technical memorandum outlines the process of calculating the hydrologic index (HI) that describes the current hydrologic condition in the Santa Margarita River watershed and subsequently establishes the required flows at the Gorge. Appendix C of the Cooperative Water Resource Management Agreement (CWRMA) was followed in order to determine the Section 5 flow requirements for the period January 1, 2015 through December 31, 2015.

DATA SOURCES

Two sets of observed data are necessary to calculate the HI. The first set includes October through April monthly precipitation from the Wildomar Precipitation Station (Station #246). This information is available through the Riverside County Flood Control and Water Conservation District, courtesy of:

Mr. Robert Laag
ph. # (951) 955-1232,
email: relaag@rcflood.org

Table 1 shows rainfall at the Wildomar Station for October 2014 through April 2015. Riverside County Flood Control and Water Conservation District provided data for October 1, 2014 through April 6, 2015. Review of nearby stations for April 7 through April 30, 2015 revealed a minor amount of rainfall, estimated to be 0.11 inches, based on the average rainfall at three nearby rain gages.

The second set of observed data used for the calculation of the HI is the streamflow at Temecula Creek near Aguanga. The pertinent period of record from October 2014 through April 2015, as recorded by USGS gage # 11042400, is shown in Table 2. The raw data are available through the USGS database as average daily streamflow in cubic feet per second (cfs) and are classified as provisional. To perform the HI calculation, streamflow was converted to acre-feet by multiplying the daily values by a conversion factor of 1.983 acre-feet/cfs/day.

TABLE 1. MONTHLY PRECIPITATION AT WILDOMAR [INCHES]

Month	Precipitation (in)
Oct-14	0.00
Nov-14	0.47
Dec-14	5.95
Jan-15	1.38
Feb-15	0.55
Mar-15	0.63
Apr-15	0.11 ^a
Water Year Total	9.09

Source: Riverside County Flood Control and Water Conservation District (April 15, 2015)

a. April value is estimated. Recorded rainfall at Wildomar for April 1-6 was 0.0 inches. For April 7 through 30, total rainfall of 0.11 inches was estimated based on nearby gages.

TABLE 2. DAILY STREAMFLOW AT TEMECULA CREEK NEAR AGUANGA [ACRE-FEET/DAY]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	TOTAL
1	0.0	0.2	0.7	4.6	3.6	6.7	0.9	
2	0.0	0.2	1.0	3.6	3.4	12.5	0.9	
3	0.0	0.2	1.4	3.8	3.2	10.1	0.8	
4	0.0	0.2	2.6	4.8	3.0	6.3	0.7	
5	0.0	0.1	2.2	4.8	3.0	4.8	0.7	
6	0.0	0.1	2.0	4.8	3.0	2.6	0.6	
7	0.0	0.1	1.9	4.2	3.0	2.0	0.6	
8	0.0	0.2	1.0	3.4	3.0	1.8	0.5	
9	0.0	0.1	0.7	4.0	3.0	1.6	0.6	
10	0.0	0.1	0.7	4.0	2.8	1.5	0.6	
11	0.0	0.2	0.6	4.0	2.8	1.3	0.6	
12	0.0	0.2	2.8	3.8	2.6	1.3	0.6	
13	0.0	0.2	3.0	3.6	2.6	1.2	0.5	
14	0.0	0.3	2.8	3.4	2.6	1.2	0.6	
15	0.0	0.3	3.4	3.8	2.6	1.2	0.6	
16	0.1	0.3	3.2	5.0	3.4	1.2	0.4	
17	0.1	0.3	3.4	3.6	4.2	1.1	0.4	
18	0.1	0.3	5.0	3.4	4.2	1.1	0.3	
19	0.1	0.3	4.6	5.0	4.2	1.2	0.3	
20	0.1	0.4	4.2	4.8	4.2	1.2	0.4	
21	0.0	0.5	2.8	3.4	3.8	1.2	0.5	
22	0.0	0.5	2.8	3.4	2.8	1.2	0.6	
23	0.0	0.5	2.4	3.4	7.5	1.3	0.5	
24	0.0	0.4	2.4	3.2	6.9	2.4	0.5	
25	0.0	0.4	2.4	3.2	5.2	2.6	0.6	
26	0.0	0.5	2.2	3.8	5.4	2.4	0.5	
27	0.1	0.5	2.2	4.2	5.0	1.3	0.3	
28	0.1	0.5	2.2	4.2	4.2	1.0	0.3	
29	0.0	0.6	2.2	3.8		0.9	0.2	
30	0.0	0.6	2.6	4.0		0.9	0.1	
31	0.1		3.6	3.8		0.8		
Total	0.8	9.3	75.0	122.8	105.2	77.9	15.7	406.7
Mean	0.0	0.3	2.4	4.0	3.8	2.5	0.5	1.9
Maximum	0.1	0.6	5.0	5.0	7.5	12.5	0.9	12.5
Minimum	0.0	0.1	0.6	3.2	2.6	0.8	0.1	0.0

Source: USGS Station #11042400 (<http://waterdata.usgs.gov/nwis/dv>). Data downloaded 5/1/2015. All data are provisional.

DATA ANALYSIS/PROCEDURE

The HI is defined as the sum of October through April natural streamflow at Murrieta, natural streamflow at Vail Lake, and natural streamflow from the Pauba and Wolf Valleys. Depending on the results of the HI, the hydrologic condition in the Santa Margarita River watershed may be categorized as Critically Dry, Below Normal, Above Normal, or Very Wet.

The natural streamflow at Murrieta is calculated using the rainfall/runoff relationship between precipitation at the Wildomar station and natural streamflow at Murrieta, as determined by the Hydrologic Simulation Program Fortran (HSPF) model. The polynomial relationship is described in equation (1), where Y is the average monthly natural streamflow at Murrieta in cfs

per day, and X is the monthly precipitation in inches at Wildomar. The natural streamflow at Murrieta is converted to volume, in acre-feet, by multiplying the average monthly streamflow by the number of days per month to get the monthly volume of streamflow, then summing the monthly volumes.

$$\begin{aligned} Y &= 9.068 - 34.798 * X + 11.339 * X^2 && (\text{Where } X \geq 2.79 \text{ inches}) \\ Y &= 0 && (\text{Where } X < 2.79 \text{ inches}) \end{aligned} \quad (1)$$

The natural streamflow at Vail Lake is a function of the observed streamflow from USGS Gage # 11042400, Temecula Creek at Aguanga. Equation (2) describes the relationship, where S is the monthly observed stream flow at Aguanga from October through April, in acre-feet, and V is the monthly natural October through April stream flow at Vail Lake, also in units of acre-feet.

$$V = 1.38 * S \quad (2)$$

Equation (3) describes the estimated contributions from Pauba and Wolf Valleys, where V is the October through April stream flow at Vail Lake (equation (2)), and Z is the Pauba and Wolf Valley October through April contribution in units of acre-feet.

$$Z = 0.5 * V \quad (3)$$

The HI is the sum of the results of Equations (1), (2), and (3): $HI = Y + V + Z$.

RESULTS

The results of the calculations of the hydrologic index for the 2015 calendar year are summarized in Table 3. According to Figure C-1 in the CWRMA, Below Normal hydrologic conditions are defined as years in which the HI is greater than 3,230 acre-feet but less than 14,510 acre-feet. The HI for the 2015 calendar year is 13,352 acre-feet, which falls into the Below Normal hydrologic category.

The guaranteed flows that must be maintained at the Gorge are established based on the general hydrologic condition of the Santa Margarita River Basin and stipulated in Section 5 of the CWRMA. Guaranteed flows are defined as two-thirds of the median natural flows during the period of record (1931-1996), to be maintained by RCWD at the Gorge. The use of the median value of streamflow eliminates the impact of large storm flows from the requirements at the Gorge. The Actual Flow requirements at the Gorge for 2015 for a Below Normal year are listed in Table 4.

**TABLE 3. HYDROLOGIC INDEX CALCULATIONS
CALENDAR YEAR 2015**

Month	[1] Precipitation at Wildomar [inch]	[2] Natural Flow at Murrieta [Acre-Feet]	[3] Observed Flow at Aguanga [Acre-Feet]	[4] Calculated Flow at Vail Lake [Acre-Feet]	[5] Estimated Contributions from Pauba and Wolf Valleys [Acre-Feet]	[6] Hydrologic Index [Acre-Feet]
Oct 2014	0.00	0.0	0.8	1.1	0.6	1.7
Nov 2014	0.47	0.0	9.3	12.8	6.4	19.2
Dec 2014	5.95	12,509.6	75.0	103.5	51.8	12,664.9
Jan 2015	1.38	0.0	122.8	169.5	84.8	254.3
Feb 2015	0.55	0.0	105.2	145.2	72.6	217.8
Mar 2015	0.63	0.0	77.9	107.5	53.8	161.3
Apr 2015	0.11	0.0	15.7	21.7	10.9	32.6
Totals	9.09	12,509.6	406.7	561.3	280.9	13,351.8

Notes: [1] Precipitation at Wildomar Station #246 from Riverside County Flood Control and Water Conservation District (April 15, 2015).

[2] If Monthly Precipitation at Wildomar is less than 2.79 inches, the Natural Streamflow at Murrieta is 0 Acre-Feet
Otherwise, Natural Streamflow at Murrieta [Acre-Feet] is =
 $(9.068 - 34.798 * [1] + 11.339 * [1]^2) * (86400 / 43560) * (\text{days in month})$

[3] The sum of provisional daily values from USGS Station #11042400 Temecula Creek near Aguanga

[4] Flow at Vail Lake Estimated to be $1.38 * [3]$

[5] Contributions from Pauba and Wolf Valley Estimated to be 50% of Vail Lake Inflow, calculated as $0.5 * [4]$

[6] $[2] + [4] + [5] = \text{HI}$ HI Determination

$\text{HI} \leq 3,230 \sim \text{Critically Dry}$

$\text{HI} \leq 14,510 \sim \text{Below Normal}$

$\text{HI} \leq 47,810 \sim \text{Above Normal}$

$\text{HI} > 47,810 \sim \text{Very Wet}$

TABLE 4. ACTUAL FLOW REQUIREMENT AT THE GORGE FOR CALENDAR YEAR 2015

Below Normal Hydrologic Year

Month	2/3 Natural Flow at the Gorge ^[1] [cfs]	Actual Flow Requirement at the Gorge [cfs]	
Jan-Apr	8.0	8.0	
May	5.7	5.7	
June	4.9	4.9	
July	4.3	4.3	
August	4.4	4.4	
September	4.1	4.1	
October	3.9	3.9	
November	4.5	4.5	
December	5.3	5.3	

^[1] 2/3 Natural flow at the Gorge is based on the median flow during Below Normal conditions from 1931 through 1996.

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CALENDAR YEAR 2015

APPENDIX B-1

**FEBRUARY 12, 2016 MEMORANDUM FROM
STETSON ENGINEERS, INC.**



FINAL MEMORANDUM 011316.2

2171 E. Francisco Blvd., Suite K • San Rafael, California • 94901

TEL: (415) 457-0701 FAX: (415) 457-1638 e-mail: mollyp@stetsonengineers.com

TO: CWRMA Technical Advisory Committee

DATE: February 12, 2016

FROM: Stetson Engineers

JOB NO: 2408-1003

RE: Summary of Climatic, CAP, and Groundwater Bank Credits as of December 31, 2015

The purpose of this memorandum is to provide an update to flows and credits stipulated under the Cooperative Water Resource Management Agreement (CWRMA) as of December 31, 2015. Mr. Craig Elitharp on behalf of Rancho California Water District (District) provided Stetson Engineers with an updated “Tracking Model” on January 4, 2016, complete with all flows augmented by the District through calendar year 2015. Table 1 summarizes the 2003 through 2015 Hydrologic Conditions, Climatic Credits, CAP Credits, and Groundwater Bank Credits either earned or used by the two parties.

Through December 31, 2015, the District had accumulated 563 AF of Climatic Credit. The District also carried over 4.5 AF of CAP Credit earned in 2014 to be applied to the winter 2016 period. The equivalent winter-time flow rate of the credits, based on the 121-day winter period, is 2.35 cfs of Climatic Credit and 0.02 cfs of CAP Credit. The CWRMA provides for the determination of the next winter’s flow requirement and the application of credits in the section that states:

“In all years following the first winter period... the Minimum Daily Flow Requirement for each winter period shall be 11.5 cfs, less any credit unused in a previous year, and less any credit established by the May 1st accounting of the prior year” [§5(e)].

Applying the Climatic Credit of 2.35 cfs and the 0.02-cfs CAP credit, the Minimum Daily Flow Requirement at the Gorge during the 2016 winter period is determined to be 9.1 cfs. Consistent with previous years, the Minimum Daily Flow Requirement may be adjusted in the future to account for any necessary operational changes that are agreed to by both parties.

The total releases by the District to meet the Actual Flow Requirement in 2015 were 3,736 AF. In the May 1, 2015 memorandum from Stetson Engineers to the Technical Advisory Committee, the Hydrologic Condition for 2015 was determined to be Below Normal. Camp Pendleton earned 756 AF of Groundwater Bank Credit due to maximum flow requirements stipulated in the CWRMA. The streamflow measured at the Gorge was 4,910 AF during the 2015 calendar year. During this period, total releases by the District accounted for 76% of the total flow measured at the Gorge during the Below Normal Hydrologic Conditions of 2015. Figure 1 is a hydrograph of the daily flow measured by the USGS at the Gorge (Station 11044000).

**TABLE 1. SUMMARY OF CLIMATIC, CAP, AND GROUNDWATER BANK CREDITS
2003 THROUGH 2015**

Hydrologic Condition	Credit	Calendar Year									
		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Above Normal	Critically Dry	Very Wet	Below Normal	Critically Dry	Above Normal	Above Normal	Very Wet	Very Wet	Very Wet	Critically Dry	
Previous Year's Climatic Credit (AF)	0	0	678	0	477	1,212	0	0	0	0	0
Climatic Credit Used (AF)	0	0	678	0	477	1,212	0	0	0	0	0
Climatic Credit Earned (AF)	0	678	0	477	1,212	0	0	0	0	0	1,248
Climatic Credits Remaining (AF)	0	678	0	477	1,212	0	0	0	0	0	1,248
Previous Year's CAP Credit (AF)	0	1,485	483	397	206	0	432	1,011	397	296	296
CAP Credit Used (AF)	0	1,002	483	191	206	0	216	614	397	148	148
CAP Credit Earned (AF)	1,485	0	397	0	0	432	795	0	296	0	0
CAP Credits Remaining (AF)	1,485	483	397	206	0	432	1,011	397	296	148	148
Previous Year's											
Groundwater Bank Credit (AF)	0	2,096	2,456	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Groundwater Bank Credit Used (AF)	0	0	0	0	0	0	0	0	0	0	0
Groundwater Bank Credit Earned (AF)	2,096	360	2,544	0	0	2,087	3,092	5,372	5,275	148	148
Groundwater Bank Credit Remaining (AF)	2,096	2,456	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Minimum Required Winter Flow											
at the Gorge ¹ (cfs)	11.5	8.4/7.1	6.6	10.7	8.6	6.4	10.6	8.9	9.8	10.9	10.9

¹ Required flow converted to a cfs equivalent for a winter period of 120 days. In 2004, from January 1-22, 50% CAP Credit was applied and for the remainder of the winter period 70% of CAP Credit was applied.

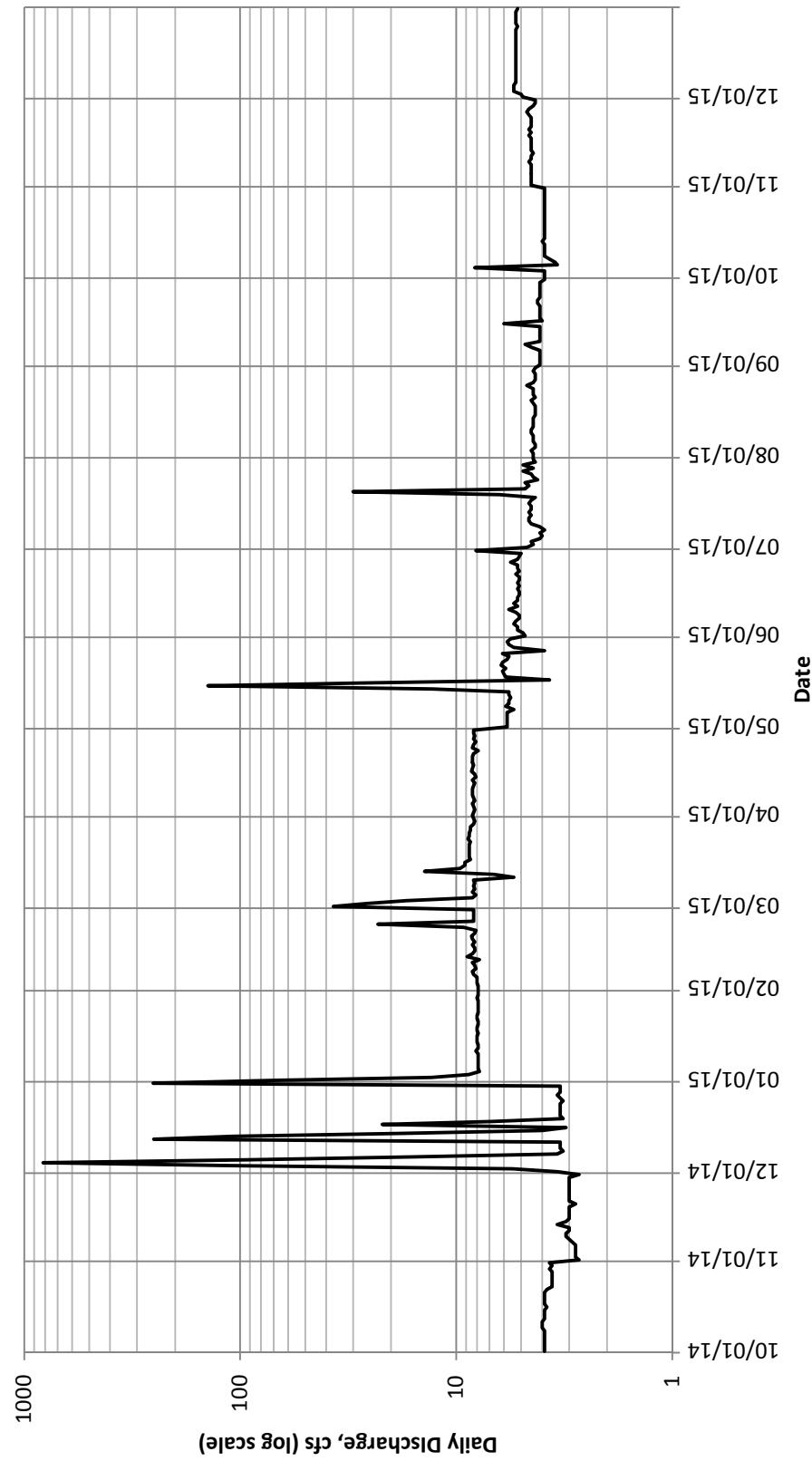
(TABLE CONTINUED ON NEXT PAGE)

**TABLE 1. SUMMARY OF CLIMATIC, CAP, AND GROUNDWATER BANK CREDITS
2003 THROUGH 2015 (CONTINUED FROM PREVIOUS PAGE)**

Hydrologic Condition	Credit	Calendar Year				
		Critically Dry	Below Normal	Below Normal	TBD	2016
Previous Year's Climatic Credit (AF)	1,248	406	749	563		
Climatic Credit Used (AF)	1,248	406	749	563		
Climatic Credit Earned (AF)	406	749	563	n/a		
Climatic Credits Remaining (AF)	406	749	563	n/a		
Previous Year's CAP Credit (AF)	148	0	9	4.5		
CAP Credit Used (AF)	148	0	4.5	4.5		
CAP Credit Earned (AF)	0	9	0	n/a		
CAP Credits Remaining (AF)	0	4.5	4.5	n/a		
Previous Year's Groundwater Bank Credit (AF)	5,000	5,000	5,000	5,000		
Groundwater Bank Credit Used (AF)	0	0	0	n/a		
Groundwater Bank Credit Earned (AF)	360	622	756	n/a		
Groundwater Bank Credit Remaining (AF)	5,000	5,000	5,000	n/a		
Minimum Required Winter Flow at the Gorge ¹ (cfs)	5.6	9.8	8.3	9.1		

¹Required flow converted to a cfs equivalent for a winter period of 120 days.

Figure 1
Daily Discharge at the Gorge
USGS Gage 11044000 - Santa Margarita River near Temecula
October 2014 - December 2015



Notes:

All values from USGS.
 CWRMA releases were made to meet flow requirements as measured using the provisional USGS daily website discharge; subsequent rating shifts or adjustments at the gage may increase or decrease the published values when compared to the provisional ones. Daily published and provisional values are given in the Annual Watermaster Report Appendix E.

CREDITS, FOREGONE WATER, AND RELEASE SOURCES

Due to Below Normal Hydrologic Conditions, the District earned a Climatic Credit of 563 AF in 2015. No new CAP credit was earned, but 4.5 AF of credit earned in calendar year 2014 was carried over for use in winter 2016.

Camp Pendleton earned input to the Groundwater Bank in 2015, but the balance did not increase since the bank was at its maximum value of 5,000 AF at the beginning of the year. If Camp Pendleton's Groundwater Bank had not already been at the maximum allowable storage volume, 756 AF would have been credited to the Groundwater Bank due to the District's Actual Flow Maintenance Requirements being less than the flows in accordance with the Section 5 Flow Requirement (See CWRMA Art. 17).

In 2015, the District released a total of 3,736 AF from two release sources: 3,244 AF from the MWD raw water source at WR-34 and 492 AF from the District's potable connection to WR-34 during an MWD raw water shutdown in February and March of 2015.

OPERATIONS

Based on review of the release data, recorded flow at the Gorge, and the Minimum Daily Flow Requirement, 34 AF of excess water was released. Previously termed operational inefficiency, any excess represents a quantity of water released at the Gorge greater than required under CWRMA. In previous years, the operational inefficiency has been as high as 220 AF. The excess release of 34 AF in 2015 was less than in most years.

There were zero days during 2015 when the Section 5 Flow Requirement was not met. In past years, the number of violation days has ranged from zero days per year up to 24 days.

SUMMARY

Table 2 quantifies the monthly flow releases at the Gorge, credits earned, and credits applied from 2003 through 2015. Both monthly and daily summaries of CWRMA accounting of flows and credits are given in the attached tables intended for use in the Annual Watermaster Report (Table 11.1 and Appendix E).

In 2015, Camp Pendleton maintained the maximum amount of water available in its Groundwater Bank; the District accumulated Climatic Credit in 2015 and carried over a Climatic Credit from 2014. Applying the credits earned in 2014 and 2015, the 2016 winter-time flow requirement was determined to be 9.1 cfs. The Hydrologic Condition for 2016 will be established on May 1, 2016 following this winter's rainfall events. The hydrologic determination and the amount of water released will establish the Minimum Daily Flow Requirements for May through December and credits earned.

Table 2.
Monthly Credit Accounting

(1) Month	Hydrologic Index [type]	(2) Table 5 Flow Requirement [cfs]	(3) Section 5 Flow Requirement [cfs]	(4) Climatic Credit Applied [cfs]	(5) CAP Credit Applied [cfs]	(6) WR-34 Augmentation at WR-34 [AF]	(7) Climatic Credit Earned [AF]	(8) CAP Credit Earned [AF]	(9) Operations Data [AF]	(10) Section 5 Flow Violation [# of days]	(11) Groundwater Bank Input [AF]	(12) Foregone Make-Up Water [AF]	(13) Emergency Flows [AF]	
Winter 2003	AN	17.8	11.5	-	-	2,005.4	0.0	240	0	1,499.5	0.0	0.0	0.0	0.0
May-03	AN	11.7	11.5	-	-	564.8	513.4	34	0	12.3	0.0	0.0	0.0	0.0
Jun-03	AN	9.4	9.4	-	-	498.7	485.0	53	0	0.0	0.0	0.0	0.0	0.0
Jul-03	AN	7.8	7.8	-	-	485.0	454.9	25	0	0.0	0.0	0.0	0.0	0.0
Aug-03	AN	7.6	7.6	-	-	465.6	426.2	24	0	15.1	15.1	0.0	0.0	0.0
Sep-03	AN	7.4	7.4	-	-	226.2	227.6	10	1	255.9	255.9	0.0	0.0	0.0
Oct-03	AN	7.7	7.7	-	-	270.6	270.6	-2	0	313.6	313.6	0.0	0.0	0.0
Nov-03	AN	8.8	8.8	-	-	-	-	-	-	-	-	-	-	-
Dec-03	AN	10.4	10.4	-	-	-	-	-	-	-	-	-	-	-
Calendar Year 2003				5,484.5	0.0	1,484.5	443	2	2,096.3	584.5	0.0			
Winter 2004	CD	4.5	7.3	0.0	4.2	1,299.4	677.7	32	11	360.0	0.0	0.0	0.0	0.0
May-04	CD	3.8	3.8	-	-	205.6	154.5	6	2	0.0	0.0	0.0	0.0	0.0
Jun-04	CD	3.3	3.3	-	-	166.7	164.0	4	0	0.0	0.0	0.0	0.0	0.0
Jul-04	CD	3.0	3.0	-	-	184.0	177.4	1	0	0.0	0.0	0.0	0.0	0.0
Aug-04	CD	3.0	3.0	-	-	111.2	103.0	10	0	0.0	0.0	0.0	0.0	0.0
Sep-04	CD	3.0	3.0	-	-	122.8	122.8	4	0	0.0	0.0	0.0	0.0	0.0
Oct-04	CD	3.0	3.0	-	-	-	-	6	0	0.0	0.0	0.0	0.0	0.0
Nov-04	CD	3.3	3.3	-	-	-	-	-	-	-	-	-	-	-
Dec-04	CD	-	-	-	-	-	-	-	-	-	-	-	-	-
Calendar Year 2004				2,524.6	677.7	0.0	66	12	360.0	0.0	0.0			
Winter 2005	VW	24.1	6.62	2.8	2.0	24.0	0.0	-23	5	2,543.7	0.0	0.0	0.0	0.0
May-05	VW	15.7	11.50	-	-	583.8	666.8	-1	1	0.0	0.0	0.0	0.0	0.0
Jun-05	VW	12.2	11.50	-	-	601.9	554.6	34	1	0.0	0.0	0.0	0.0	0.0
Jul-05	VW	9.7	9.70	-	-	543.4	550.7	55	0	0.0	0.0	0.0	0.0	0.0
Aug-05	VW	9.2	9.20	-	-	509.5	362.2	26	0	0.0	0.0	0.0	0.0	0.0
Sep-05	VW	9.4	9.40	-	-	-	-	-10	3	0.0	0.0	0.0	0.0	0.0
Oct-05	VW	10.1	10.10	-	-	-	-	2	0	0.0	0.0	0.0	0.0	0.0
Nov-05	VW	11.5	11.50	-	-	-	-	-	-	111.1	111.1	0.0	0.0	0.0
Dec-05	VW	13.5	11.50	-	-	-	-	-	-	381.2	381.2	0.0	0.0	0.0
Calendar Year 2005				4,396.9	0.0	396.9	94	10	2,543.7	492.3	0.0			

Table 2. (continued)
Monthly Credit Accounting

(1) Month	(2) Hydrologic Index [type]	(3) Table 5 Flow Requirement [cfs]	(4) Section 5 Flow Requirement [cfs]	(5) Climatic Credit Applied [cfs]	(6) CAP Credit Applied [cfs]	(7) Augmentation at WR-34 [AF]	(8) Climatic Credit Earned [AF]	(9) CAP Credit Earned [AF]	(10) Operations Data [AF]	(11) Section 5 Flow Violation [# of days]	(12) Groundwater Bank Input [AF]	(13) Foregone Make-Up Water [AF]	(14) Emergency Flows [AF]	
Winter 2006	BN	8.0	10.7	0.0	0.8	1,990.9	476.5		180	18	0.0	0.0	0.0	
May-06	BN	5.7	5.7			320.6			7	0	0.0	0.0	0.0	
Jun-06	BN	4.9	4.9			274.9			2	0	0.0	0.0	0.0	
Jul-06	BN	4.3	4.3			260.5			2	0	0.0	0.0	0.0	
Aug-06	BN	4.4	4.4			256.0			6	0	0.0	0.0	0.0	
Sep-06	BN	4.1	4.1			241.1			1	0	0.0	0.0	0.0	
Oct-06	BN	3.9	3.9			232.7			5	0	0.0	0.0	0.0	
Nov-06	BN	4.5	4.5			235.5			3	1	0.0	0.0	0.0	
Dec-06	BN	5.3	5.3			185.0			15	0	0.0	111.1	0.0	
Calendar Year 2006				3,997.2	476.5	0.0	3,997.2	476.5	0.0	220	19	0.0	111.1	0.0
Winter 2007	CD	4.5	8.6	2.0	0.9	1,882.9	1,212.3		-8	24	0.0	0.0	0.0	
May-07	CD	3.8	3.8			249.0			2	0	0.0	0.0	0.0	
Jun-07	CD	3.3	3.3			159.4			2	0	0.0	0.0	0.0	
Jul-07	CD	3.0	3.0			218.6			2	0	0.0	0.0	0.0	
Aug-07	CD	3.0	3.0			208.5			2	0	0.0	0.0	0.0	
Sep-07	CD	3.0	3.0			203.6			1	0	0.0	0.0	0.0	
Oct-07	CD	3.0	3.0			207.5			1	0	0.0	0.0	0.0	
Nov-07	CD	3.0	3.0			196.4			4	0	0.0	0.0	0.0	
Dec-07	CD	3.3	3.3			153.8			6	0	0.0	0.0	0.0	
Calendar Year 2007				3,479.7	1,212.3	0.0	3,479.7	1,212.3	0.0	11	24	0.0	0.0	0.0
Winter 2008	AN	17.8	6.4	5.1	0.0	999.0	0.0		55	0	1,512.0	0.0	0.0	
May-08	AN	11.7	11.5			494.2			-93	0	12.3	0.0	0.0	
Jun-08	AN	9.4	9.4			532.4			14	0	0.0	0.0	0.0	
Jul-08	AN	7.8	7.8			473.6			15	0	0.0	0.0	0.0	
Aug-08	AN	7.6	7.6			480.2			12	0	0.0	0.0	0.0	
Sep-08	AN	7.4	7.4			456.5			8	0	0.0	0.0	0.0	
Oct-08	AN	7.7	7.7			481.3			6	1	0.0	0.0	0.0	
Nov-08	AN	8.8	8.8			407.4			1	1	126.0	0.0	0.0	
Dec-08	AN	10.4	10.4			107.0			10	0	436.6	436.6	0.0	
Calendar Year 2008				4,431.7	0.0	431.7	28	2	2,087.4	2	563.1	0.0		

Table 2. (continued)
Monthly Credit Accounting

(1) Month	(2) Hydrologic Index [type]	(3) Table 5 Flow Requirement [cfs]	(4) Section 5 Flow Requirement [cfs]	(5) Climatic Credit Applied [cfs]	(6) CAP Credit Applied [cfs]	(7) Augmentation at WR-34 [AF]	(8) Climatic Credit Earned [AF]	(9) CAP Credit Earned [AF]	(10) Operations Data [AF]	(11) Section 5 Flow Violation [# of days]	(12) Groundwater Bank Input [AF]	(13) Foregone Make-Up Water [AF]	(14) Emergency Flows [AF]
Winter 2009	AN	17.8	10.6	0.0	0.9	2,145.5 227.8	0.0		51 17	0	1,499.5 12.3	0.0	0.0
May-09	AN	11.7	11.5						2	0	0.0	0.0	0.0
Jun-09	AN	9.4	9.4			709.1			1	0	0.0	0.0	0.0
Jul-09	AN	7.8	7.8			746.0			7	0	248.1	248.1	0.0
Aug-09	AN	7.6	7.6			254.0			0	0	261.8	261.8	0.0
Sep-09	AN	7.4	7.4			186.7			0	0	289.0	289.0	0.0
Oct-09	AN	7.7	7.7			202.6			0	0	345.1	345.1	0.0
Nov-09	AN	8.8	8.8			189.3			0	0	436.6	436.6	0.0
Dec-09	AN	10.4	10.4			133.7			1	0			
Calendar Year 2009						4,794.6			79	0	3,092.4	1,580.6	0.0
Winter 2010	VW	24.1	8.9	0.0	2.6	1,201.9 417.0	0.0		-59 20	0	2,999.0 258.2	0.0	0.0
May-10	VW	15.7	11.5			667.9			2	0	41.7	41.7	0.0
Jun-10	VW	12.2	11.5			488.7			7	0	160.7	160.7	0.0
Jul-10	VW	9.7	9.7			290.3			0	0	295.1	295.1	0.0
Aug-10	VW	9.2	9.2			278.7			0	0	315.4	315.4	0.0
Sep-10	VW	9.4	9.4			243.0			4	0	381.2	381.2	0.0
Oct-10	VW	10.1	10.1			195.7			-53	0	416.5	416.5	0.0
Nov-10	VW	11.5	11.5			191.0			4	0	504.2	504.2	0.0
Dec-10	VW	13.5	11.5										
Calendar Year 2010						3,974.2			73	0	5,372.0	2,073.1	0.0
Winter 2011	VW	24.1	9.8	0.0	1.7	1,115.9	0.0		26	0	2,999.0	0.0	0.0
May-11	VW	15.7	11.5			652.1			1	0	258.2	258.2	0.0
Jun-11	VW	12.2	11.5			688.4			0	0	41.7	41.7	0.0
Jul-11	VW	9.7	9.7			607.5			22	0	64.3	64.3	0.0
Aug-11	VW	9.2	9.2			277.9			6	0	295.0	295.0	0.0
Sep-11	VW	9.4	9.4			318.8			25	0	315.4	315.4	0.0
Oct-11	VW	10.1	10.1			243.6			12	0	381.2	381.2	0.0
Nov-11	VW	11.5	11.5			142.3			-42	0	416.5	416.5	0.0
Dec-11	VW	13.5	11.5			249.1			7	0	504.2	504.2	0.0
Calendar Year 2011						4,295.6			57	0	5,275.5	1,976.0	0.0

Table 2. (continued)
Monthly Credit Accounting

(1) Month	(2) Hydrologic Index [type]	(3) Table 5 Flow Requirement [cfs]	(4) Section 5 Flow Requirement [cfs]	(5) Climatic Credit Applied [cfs]	(6) CAP Credit Applied [cfs]	(7) Augmentation at WR-34 [AF]	(8) Climatic Credit Earned [AF]	(9) CAP Credit Earned [AF]	(10) Operations Data [AF]	(11) Section 5 Flow Violation [# of days]	(12) Groundwater Bank Input [AF]	(13) Foregone Make-Up Water [AF]	(14) Emergency Flows [AF]
Winter 2012	CD	4.5	10.9	0.0	0.6	1,848.0	1,247.8		115	0	147.8	0.0	0.0
May-12	CD	3.8	3.8			285.2			2	0	0.0	0.0	0.0
Jun-12	CD	3.3	3.3			314.4			0	0	0.0	0.0	0.0
Jul-12	CD	3.0	3.0			178.0			6	0	0.0	0.0	0.0
Aug-12	CD	3.0	3.0			179.1			1	0	0.0	0.0	0.0
Sep-12	CD	3.0	3.0			180.6			0	0	0.0	0.0	0.0
Oct-12	CD	3.0	3.0			178.1			5	0	0.0	0.0	0.0
Nov-12	CD	3.0	3.0			163.6			1	0	0.0	0.0	0.0
Dec-12	CD	3.3	3.3			107.3			-2	0	0.0	0.0	0.0
Calendar Year 2012				3,434.3	1,247.8	0.0	128	0	147.8	0.0	0.0	0.0	0.0
Winter 2013	CD	4.5	5.6	5.2	0.6	1,083.6	406.1		20.4	0	360.0	0.0	0.0
May-13	CD	3.8	3.8			220.7			0.6	0	0.0	0.0	0.0
Jun-13	CD	3.3	3.3			186.3			1.0	0	0.0	0.0	0.0
Jul-13	CD	3.0	3.0			167.7			1.6	0	0.0	0.0	0.0
Aug-13	CD	3.0	3.0			184.9			0.6	0	0.0	0.0	0.0
Sep-13	CD	3.0	3.0			185.5			0.8	0	0.0	0.0	0.0
Oct-13	CD	3.0	3.0			161.3			0.1	0	0.0	0.0	0.0
Nov-13	CD	3.0	3.0			170.5			0.8	0	0.0	0.0	0.0
Dec-13	CD	3.3	3.3			201.2			0.4	0	0.0	0.0	0.0
Calendar Year 2013				2,561.7	406.1	0.0	26.3	0	360.0	0.0	0.0	0.0	0.0
Winter 2014	BN	8.0	9.8	1.7	0.0	2,186.4	749.2		5.3	0	408.0	0.0	0.0
May-14	BN	5.7	5.7			336.0			0.4	0	0.0	0.0	0.0
Jun-14	BN	4.9	4.9			270.7			0.0	0	0.0	0.0	0.0
Jul-14	BN	4.3	4.3			248.1			0.2	0	0.0	0.0	0.0
Aug-14	BN	4.4	4.4			252.3			1.6	0	0.0	0.0	0.0
Sep-14	BN	4.1	4.1			224.9			-0.4	0	0.0	0.0	0.0
Oct-14	BN	3.9	3.9			216.5			0.0	0	0.0	0.0	0.0
Nov-14	BN	4.5	3.0			164.4			0.0	0	90.0	0.0	0.0
Dec-14	BN	5.3	3.3			109.5			8.9	0	124.0	0.0	0.0
Calendar Year 2014				4,008.8	749.2	8.8	16.0	0	622.0	0.0	0.0	0.0	0.0

Table 2. (continued)
Monthly Credit Accounting

(1) Month	(2) Hydrologic Index [type]	(3) Table 5 Flow Requirement [cfs]	(4) Section 5 Flow Requirement [cfs]	(5) Climatic Credit Applied [cfs]	(6) CAP Credit Applied [cfs]	(7) Augmentation at WR-34 [AF]	(8) Climatic Credit Earned [AF]	(9) CAP Credit Earned [AF]	(10) Operations Data [AF]	(11) Section 5 Flow Violation [# of days]	(12) Groundwater Bank Input [AF]	(13) Foregone Make-Up Water [AF]	(14) Emergency Flows [AF]
Winter 2014	BN	8.0	8.3	3.1	0.02	1,661.3	562.7		2.0	0	756.0	0.0	0.0
May-14	BN	5.7	5.7			286.0		8.0	0	0	0.0	0.0	0.0
Jun-14	BN	4.9	4.9			282.5		8.8	0	0	0.0	0.0	0.0
Jul-14	BN	4.3	4.3			215.8		6.0	0	0	0.0	0.0	0.0
Aug-14	BN	4.4	4.4			252.3		0.2	0	0	0.0	0.0	0.0
Sep-14	BN	4.1	4.1			217.6		5.8	0	0	0.0	0.0	0.0
Oct-14	BN	3.9	3.9			233.0		3.5	0	0	0.0	0.0	0.0
Nov-14	BN	4.5	4.5			257.3		0.2	0	0	0.0	0.0	0.0
Dec-14	BN	5.3	5.3			330.6		-0.2	0	0	0.0	0.0	0.0
Calendar Year 2015				3,736.4	562.7	0.0	34.3	0	756.0	0.0	0.0		
Total Groundwater Bank =													5,000
Initial Conditions for Winter 2016	TBD	TBD	9.1	-		TBD	TBD	TBD	TBD	5,000	TBD	TBD	

Table 2. (continued)
Monthly Credit Accounting
LEGEND

Column	Description
(1) Month	Winter period (Jan-April), Non-Winter period (May-Dec)
(2) Hydrologic Index	Hydrologic Index as determined on May 1st: CD (Critically Dry), BN (Below Normal), AN (Above Normal), VW (Very Wet)
(3) Table 5 Flow Requirement	Table 5 Flow Requirement for the winter and non-winter period determined after May 1st
(4) Section 5 Flow Requirement	Section 5 Flow Requirement (or Minimum Flow Requirement) for the winter period before May 1st <i>Winter Section 5 Flow Requirement</i> = 11.5 - Climatic Credit Applied - CAP Credit Applied <i>Non-Winter Section 5 Flow Requirement</i> = the minimum of 11.5 and the Table 5 Flow Requirement
	The 2013 Minimum Daily Flow Requirement was computed based on credits equal to 1,396 AF. The total credit of 1,396 AF was converted to an equivalent winter-time flow rate in cfs (5.9 cfs), which was then subtracted from 11.5 cfs for a Minimum Daily Flow Requirement of 5.6 cfs. In the Calendar Year 2013 section of this table, the cfs-equivalent flow rates for Climatic Credit (5.2 cfs, Column 5) and CAP Credit (0.6 cfs, Column 6) do not add up to 5.9 cfs due to rounding.
(5) Climatic Credit Applied	Sum of the daily Climatic Credits Applied in the winter of the calendar year.
(6) CAP Credit Applied	Sum of the daily CAP Credits Applied in the winter of the calendar year.
(7) Augmentation at WR-34	Augmentation at WR-34 by the District. Note that Augmentation is never greater than the daily WEB flows at Gorge.
(8) Climatic Credit Earned	Sum of the daily Climatic Credits earned in the winter of a BN or CD year, as calculated after May 1st.
(9) CAP Credit Earned	CAP Credit earned on years when > 4,000 AF of Augmentation, as calculated at the end of the year.
(10) Operations Data	Operations Data is a measure of operational efficiency calculated as the sum of all daily shortages and daily excess.
(11) Section 5 Flow Violation	Section 5 flow violation is the number of days when the 10-day running average is less than the Minimum Flow Requirement.
(12) Groundwater Bank	Groundwater Bank = 2/3 Natural Flow at Gorge (Section 5 Table) – Actual Flow Requirement as determined on May 1st – emergency flow deliveries requested by Camp Pendleton. The Actual Flow Requirement reveals the flow that the District would have released during the winter period if the Hydrologic Index was known at the beginning of the year.
(13) Foregone Make-Up Water	Camp Pendleton may acquire rights to groundwater above the Gorge by foregoing its right to Make-up Water from the District. Camp Pendleton took action on October 23, 2003 to reduce the impact of the CAP Credit by requesting the District reduce flow Augmentation at the Gorge from AN to BN conditions.
	Camp Pendleton took action on November 23, 2005 to reduce the impact of the CAP Credit by requesting the District reduce flow Augmentation at the Gorge from VW to BN conditions.
	Camp Pendleton took action on December 4, 2006 to reduce the impact of the CAP Credit by requesting the District reduce flow Augmentation at the Gorge from BN to CD conditions.
	Camp Pendleton took action on November 20, 2008 to reduce the impact of the CAP Credit by requesting the District reduce flow Augmentation at the Gorge from AN to CD conditions.
	Camp Pendleton took action on August 1, 2009 to reduce the impact of the CAP Credit by requesting the District reduce flow Augmentation at the Gorge from BN to CD conditions.
	Camp Pendleton took action on July 16, 2010 to reduce the impact of the CAP Credit by requesting the District reduce flow Augmentation at the Gorge from VW to BN conditions.
	Camp Pendleton took action on July 25, 2011 to reduce the impact of the CAP Credit by requesting the District reduce flow Augmentation at the Gorge from VW to BN conditions.
	Camp Pendleton took action on August 20, 2014, to reduce the impact of the CAP Credit by requesting the District reduce flow Augmentation at the Gorge from BN to CD conditions. The District implemented this change on November 1, 2014.
(14) Emergency Flows	Emergency flows may be called upon by the Commanding General of Camp Pendleton when there is a water supply emergency.

ATTACHMENTS FOR ANNUAL WATERMASTER REPORT

TABLE 11.1

SANTA MARGARITA RIVER WATERSHED: MONTHLY SUMMARY OF REQUIRED FLOWS, DISCHARGES, CREDITS AND ACCOUNTS

APPENDIX E

SANTA MARGARITA RIVER WATERSHED: COOPERATIVE WATER RESOURCE MANAGEMENT AGREEMENT REQUIRED FLOWS AND ACCOUNTS SANTA MARGARITA RIVER NEAR TEMECULA (JANUARY - DECEMBER 2015)

TABLE 11.1

SANTA MARGARITA RIVER WATERSHED
**MONTHLY SUMMARY OF REQUIRED FLOWS,
DISCHARGES, CREDITS AND ACCOUNTS
COOPERATIVE WATER RESOURCE MANAGEMENT AGREEMENT**

2015 CALENDAR YEAR - BELOW NORMAL YEAR

Month	USGS Official Discharge AF	USGS Website Daily Discharge AF	Minimum Flow Maintenance Requirement cfs /1	Section 5 Flows cfs /2	No. of Days 10-day Running Average is Less than Required Flow	Discharge from WR-34 AF /3	Climatic Credits Earned AF /4	Camp Pendleton Groundwater Bank /5	
								Input AF	Cumulative Balance AF
Jan	620.4	639.5	8.3	8.0	0	439.0	161.5	195.3	5,000.0
Feb	488.3	492.1	8.3	8.0	0	370.4	105.8	176.4	5,000.0
Mar	636.1	619.2	8.3	8.0	0	437.6	169.1	195.3	5,000.0
Apr	493.9	494.1	8.3	8.0	0	414.3	126.3	189.0	5,000.0
May	669.2	668.8	5.7	5.7	0	286.0	0.0	0.0	5,000.0
Jun	314.8	300.3	4.9	4.9	0	282.5	0.0	0.0	5,000.0
Jul	328.3	320.7	4.3	4.3	0	215.8	0.0	0.0	5,000.0
Aug	269.8	270.7	4.4	4.4	0	252.3	0.0	0.0	5,000.0
Sep	249.7	249.7	4.1	4.1	0	217.6	0.0	0.0	5,000.0
Oct	246.3	248.3	3.9	3.9	0	233.0	0.0	0.0	5,000.0
Nov	268.0	268.0	4.5	4.5	0	257.3	0.0	0.0	5,000.0
Dec	324.7	325.7	5.3	5.3	0	330.6	0.0	0.0	5,000.0
CALENDAR YEAR TOTAL	4,909.5	4,897.1		0	3,736.4	562.7	FULL		

1 - Required flows for January through April are equal to 11.5 cfs less 3.2 cfs of credits (749 AF of Climatic Credit earned in 2014 and 4.5 AF of CAP Credit earned in 2014).

2 - The Table in Section 5 of the CWRMA sets forth guaranteed monthly flows at the Gorge once the Hydrologic Condition for the calendar year is established

3 - CAP Credits equal the WR-34 discharge in excess of 4,000 AF. No CAP Credits were earned in 2015.

4 - Climatic Credits equal the WR-34 discharges less actual Flow Requirements, which is the flow indicated in Section 5 of the CVRMA less applicable credits but not less than 3.0 cfs.

5 - Camp Pendleton's rights to groundwater equal the flow indicated in Section 5 of the CWRMA less the Actual Flow Maintenance Requirement, which cannot be less than 3.0 cfs. Input to the Groundwater Bank shown but cumulative balance did not increase due to account balance maximum of 5,000 AF.

APPENDIX E

SANTA MARGARITA RIVER WATERSHED
COOPERATIVE WATER RESOURCE MANAGEMENT AGREEMENT REQUIRED FLOWS AND ACCOUNTS
SANTA MARGARITA RIVER NEAR TEMECULA

JANUARY 2015 - BELOW NORMAL YEAR

**CAMP PENDLETON
GROUNDWATER BANK**

Day	USGS Official Discharge cfs	USGS Daily Website Discharge cfs	10-Day Running Average of Website Discharge cfs	Minimum Flow Maintenance Requirement /1 cfs	Running Average Less Required Flow cfs	WR-34 Make-Up Discharge cfs	AF	Climatic Credit Earned /2 AF	Input /3 cfs			Output cfs			Cumulative Balance AF
									Input AF	Output AF	Output cfs	Input AF	Output AF	Output cfs	
1	69.0	69.0		0.0	0.0	0.0	0.0	0.0	3.2	6.3	0.0	0.0	0.0	0.0	5,000.0
2	13.0	12.0		0.0	0.0	0.0	0.0	0.0	3.2	6.3	0.0	0.0	0.0	0.0	5,000.0
3	8.7	8.7		4.4	8.7	0.0	0.0	0.0	3.2	6.3	0.0	0.0	0.0	0.0	5,000.0
4	7.8	8.2		6.5	12.8	1.6	3.2	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
5	7.9	8.3		7.6	15.0	2.7	5.4	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
6	7.9	8.3		7.7	15.3	2.9	5.7	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
7	7.9	8.3		7.8	15.4	2.9	5.8	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
8	7.9	8.3		7.8	15.4	2.9	5.8	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
9	7.9	8.2		7.8	15.4	2.9	5.8	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
10	7.9	8.3		7.8	15.4	2.9	5.8	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
11	8.1	8.5		7.8	15.4	2.9	5.8	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
12	7.9	8.3		7.8	15.3	2.9	5.7	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
13	7.9	8.2		7.8	15.5	3.0	5.9	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
14	8.0	8.3		7.9	15.7	3.1	6.1	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
15	8.0	8.4		8.0	15.8	3.1	6.2	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
16	8.0	8.3		7.9	15.6	3.0	6.0	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
17	7.9	8.3		7.9	15.6	3.0	6.0	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
18	8.0	8.4		7.9	15.6	3.0	6.0	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
19	8.0	8.3		7.9	15.6	3.0	6.0	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
20	7.9	8.3		7.8	15.5	3.0	5.9	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
21	7.9	8.3		7.8	15.4	2.9	5.8	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
22	8.0	8.3		7.9	15.6	3.0	6.0	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
23	8.0	8.4		8.0	15.6	3.0	6.0	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
24	7.9	8.3		7.8	15.5	3.0	5.9	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
25	7.9	8.3		7.8	15.5	3.0	5.9	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
26	7.9	8.3		7.7	15.3	2.9	5.7	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
27	7.9	8.3		7.7	15.3	2.9	5.7	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
28	7.9	8.3		7.8	15.5	3.0	5.9	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
29	8.0	8.4		8.0	15.5	3.0	5.9	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
30	7.9	8.3		7.8	15.4	2.9	5.8	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
31	7.9	8.3		8.3	15.4	2.9	5.8	3.2	6.3	0.0	0.0	0.0	0.0	0.0	5,000.0
TOTAL SFD	312.8	322.4		174.7	174.3	0.4	221.8	81.3	161.5				99.2	195.3	
TOTAL AF	620.4	639.5		346.5	345.7	0.8		439.0							

1 - Required flows for January through April are equal to 11.5 cfs less 3.2 cfs of credits (749 AF of CAP Credit earned in 2014).

2 - Climatic Credits equal the WR-34 discharge less the Actual Flow Maintenance Requirement which is the flow indicated in Section 5 of the CVRMA less applicable credits, but not less than 3.0 cfs.

3 - Art. 17 - Camp Pendleton rights to groundwater equal the flow indicated in Section 5 of the CVRMA minus the Actual Flow Maintenance Requirement which cannot be less than 3.0 cts. Input to Groundwater Bank shown but cumulative balance did not increase due to account balance maximum of 5,000 AF.

APPENDIX E

**SANTA MARGARITA RIVER WATERSHED
COOPERATIVE WATER RESOURCE MANAGEMENT AGREEMENT REQUIRED FLOWS AND ACCOUNTS
SANTA MARGARITA RIVER NEAR TEMECULA^a**

FEBRUARY 2015 - BELOW NORMAL YEAR

Day	USGS Official Discharge cfs	USGS Daily Website Discharge cfs	10-Day Running Average of Website Discharge cfs	Minimum Flow Maintenance Requirement /1 cfs	Running Average Less Required Flow cfs	WR-34 Make-Up Discharge cfs	Climatic Credit Earned AF cfs /2	CAMP PENDLETON GROUNDWATER BANK		
								Input cfs	AF	Output cfs
1	7.9	8.3	8.3	8.3	0.0	7.8	15.5	3.0	5.9	3.2
2	7.9	8.3	8.3	8.3	0.0	7.8	15.5	3.0	5.9	3.2
3	8.0	8.3	8.3	8.3	0.0	7.9	15.6	3.0	6.0	3.2
4	8.0	8.4	8.3	8.3	0.0	7.8	15.5	3.0	5.9	3.2
5	8.0	8.4	8.3	8.3	0.0	7.7	15.3	2.9	5.7	3.2
6	8.3	8.3	8.3	8.3	0.0	6.6	13.0	1.7	3.4	3.2
7	8.4	8.4	8.3	8.3	0.0	6.6	13.0	1.7	3.4	3.2
8	8.4	8.1	8.3	8.3	0.0	6.6	13.0	1.7	3.4	3.2
9	8.2	8.2	8.3	8.3	0.0	6.6	13.0	1.7	3.4	3.2
10	8.4	8.4	8.3	8.3	0.0	6.6	13.0	1.7	3.4	3.2
11	7.8	7.8	8.3	8.3	0.0	6.6	13.0	1.7	3.4	3.2
12	8.9	8.9	8.3	8.3	0.0	6.6	13.0	1.7	3.4	3.2
13	8.4	8.4	8.3	8.3	0.0	6.6	13.0	1.7	3.4	3.2
14	8.2	8.2	8.3	8.3	0.0	6.6	13.0	1.7	3.4	3.2
15	8.2	8.2	8.3	8.3	0.0	6.6	13.0	1.7	3.4	3.2
16	8.4	8.4	8.3	8.3	0.0	6.6	13.0	1.7	3.4	3.2
17	8.2	8.2	8.3	8.3	0.0	6.6	13.0	1.7	3.4	3.2
18	8.4	8.4	8.3	8.3	0.0	6.6	13.0	1.7	3.4	3.2
19	8.5	8.5	8.3	8.3	0.0	6.6	13.0	1.7	3.4	3.2
20	8.2	8.2	8.3	8.3	0.0	6.6	13.0	1.7	3.4	3.2
21	8.1	8.1	8.4	8.3	0.1	6.6	13.0	1.7	3.4	3.2
22	9.2	9.2	8.4	8.3	0.1	7.1	14.0	2.2	4.4	3.2
23	23.0	9.8	8.3	8.3	1.5	3.0	6.0	0.0	0.0	3.2
24	8.3	8.3	9.9	8.3	1.6	4.5	9.0	0.0	0.0	3.2
25	8.3	8.3	9.9	8.3	1.6	7.1	14.0	2.2	4.4	3.2
26	8.3	8.3	9.9	8.3	1.6	7.1	14.0	2.2	4.4	3.2
27	8.3	8.3	9.9	8.3	1.6	7.1	14.0	2.2	4.4	3.2
28	8.3	8.3	9.9	8.3	1.6	7.1	14.0	2.2	4.4	3.2
TOTAL SFD	246.2	248.1	242.1	232.4	9.7	187.6	53.1	89.6	176.4	0.0
TOTAL AF	488.3	492.1	480.2	461.0	19.2	370.4	105.8	0.0	0.0	5,000.0

1 - Required flows for January through April are equal to 11.5 cfs less 3.2 cfs of credits (749 AF of Climatic Credit earned in 2014 and 4.5 AF of CAP Credit earned in 2014).

2 - Climatic Credits equal the WR-34 discharge less the Actual Flow Maintenance Requirement which is the flow indicated in Section 5 of the CVRMA less applicable credits, but not less than 3.0 cfs.

3 - Art. 17 - Camp Pendleton rights to groundwater equal the flow indicated in Section 5 of the CVRMA minus the Actual Flow Maintenance Requirement which cannot be less than 3.0 cfs. Input to Groundwater Bank shown but cumulative balance did not increase due to account balance maximum of 5,000 AF.

APPENDIX E

**SANTA MARGARITA RIVER WATERSHED
COOPERATIVE WATER RESOURCE MANAGEMENT AGREEMENT REQUIRED FLOWS AND ACCOUNTS
SANTA MARGARITA RIVER NEAR TEMECULA^a**

MARCH 2015 - BELOW NORMAL YEAR

Day	USGS Official Discharge cfs	USGS Daily Website Discharge cfs	10-Day Running Average of Website Discharge cfs	Minimum Flow Maintenance Requirement /1 cfs	Running Average Less Required Flow cfs	WR-34 Make-Up Discharge cfs	Climatic Credit Earned AF cfs /2	CAMP PENDLETON GROUNDWATER BANK		
								Input /3 cfs	AF	Output cfs
1	37.0	37.0	12.7	8.3	4.4	2.0	4.0	0.0	0.0	5,000.0
2	26.0	26.0	14.5	8.3	6.2	0.0	0.0	3.2	6.3	0.0
3	17.0	17.0	15.4	8.3	7.1	0.0	0.0	3.2	6.3	0.0
4	8.4	8.4	15.3	8.3	7.0	2.5	5.0	0.0	3.2	6.3
5	8.1	8.1	13.8	8.3	5.5	7.6	15.0	2.7	5.4	3.2
6	8.4	8.4	13.8	8.3	5.5	7.6	15.0	2.7	5.4	3.2
7	8.2	8.2	13.8	8.3	5.5	7.6	15.0	2.7	5.4	3.2
8	8.3	8.3	13.8	8.3	5.5	7.6	15.0	2.7	5.4	3.2
9	8.2	8.2	13.8	8.3	5.5	7.6	15.0	2.7	5.4	3.2
10	8.3	8.3	13.8	8.3	5.5	7.6	15.0	2.7	5.4	3.2
11	5.4	5.4	10.6	8.3	2.3	5.3	10.5	0.5	0.9	3.2
12	6.7	6.3	8.7	8.3	0.4	6.2	12.2	1.3	2.6	3.2
13	14.0	13.0	8.3	8.3	0.0	11.6	23.1	6.7	13.2	3.2
14	9.6	8.8	8.3	8.3	0.0	7.5	14.9	2.7	5.3	3.2
15	9.1	8.3	8.3	8.3	0.0	8.1	16.0	3.2	6.4	3.2
16	9.1	8.3	8.3	8.3	0.0	8.1	16.0	3.2	6.4	3.2
17	8.6	8.1	8.3	8.3	0.0	7.8	15.5	3.0	5.9	3.2
18	8.7	8.3	8.3	8.3	0.0	8.3	16.5	3.5	6.9	3.2
19	8.7	8.3	8.3	8.3	0.0	8.2	16.3	3.4	6.7	3.2
20	8.7	8.3	8.3	8.3	0.0	8.3	16.4	3.4	6.8	3.2
21	8.7	8.3	8.6	8.3	0.3	8.3	16.5	3.5	6.9	3.2
22	8.7	8.3	8.8	8.3	0.5	8.2	16.3	3.4	6.7	3.2
23	8.6	8.2	8.3	8.3	0.0	8.2	16.3	3.4	6.7	3.2
24	8.8	8.4	8.3	8.3	0.0	8.3	16.5	3.5	6.9	3.2
25	8.7	8.3	8.3	8.3	0.0	8.3	16.4	3.4	6.8	3.2
26	8.7	8.3	8.3	8.3	0.0	8.3	16.4	3.4	6.8	3.2
27	8.6	8.3	8.3	8.3	0.0	8.3	16.5	3.5	6.9	3.2
28	8.6	8.3	8.3	8.3	0.0	8.4	16.6	3.5	7.0	3.2
29	8.3	8.3	8.2	8.3	0.0	8.4	16.6	3.5	7.0	3.2
30	8.2	8.3	8.3	8.3	0.0	8.3	16.5	3.5	6.9	3.2
31	8.3	8.3	8.3	8.3	0.0	8.4	16.6	3.5	7.0	3.2
TOTAL SFD	320.7	312.2	318.5	257.3	61.2	220.9	437.6	85.2	169.1	99.2
TOTAL AF	636.1	619.2	631.7	510.3	121.4					195.3

1 - Required flows for January through April are equal to 11.5 cfs less 3.2 cfs of credits (749 AF of Climatic Credit earned in 2014 and 4.5 AF of CAP Credit earned in 2014).

2 - Climatic Credits equal the WR-34 discharge less the Actual Flow Maintenance Requirement which is the flow indicated in Section 5 of the CVRMA less applicable credits, but not less than 3.0 cfs.

3 - Art. 17 - Camp Pendleton rights to groundwater equal the flow indicated in Section 5 of the CVRMA minus the Actual Flow Maintenance Requirement which cannot be less than 3.0 cfs. Input to Groundwater Bank shown but cumulative balance did not increase due to account balance maximum of 5,000.0 AF.

APPENDIX E

SANTA MARGARITA RIVER WATERSHED
COOPERATIVE WATER RESOURCE MANAGEMENT AGREEMENT REQUIRED FLOWS AND ACCOUNTS
SANTA MARGARITA RIVER NEAR TEMECULA^a

APRIL 2015 - BELOW NORMAL YEAR

Day	USGS Official Discharge cfs	USGS Daily Website Discharge cfs	10-Day Running Average of Website Discharge cfs	Minimum Flow Maintenance Requirement /1 cfs	Running Average Less Required Flow cfs	WR-34 Make-Up Discharge cfs	Climatic Credit Earned /2 AF	CAMP PENDLETON GROUNDWATER BANK		
								Input /3 cfs	AF	Output cfs
1	8.4	8.4	8.3	8.3	0.0	8.3	6.5	3.5	6.3	0.0
2	8.3	8.3	8.3	8.3	0.0	8.3	6.5	3.5	6.3	0.0
3	8.2	8.2	8.3	8.3	0.0	8.2	6.3	3.4	6.7	0.0
4	8.3	8.3	8.3	8.3	0.0	8.3	6.5	3.5	6.9	0.0
5	8.4	8.4	8.3	8.3	0.0	8.3	6.5	3.5	6.9	0.0
6	8.2	8.2	8.3	8.3	0.0	8.2	6.2	3.3	6.6	0.0
7	8.3	8.3	8.3	8.3	0.0	8.3	6.4	3.4	6.8	0.0
8	8.4	8.4	8.3	8.3	0.0	8.3	6.4	3.4	6.8	0.0
9	8.4	8.4	8.3	8.3	0.0	8.3	6.4	3.4	6.8	0.0
10	8.4	8.4	8.3	8.3	0.0	8.1	6.1	3.3	6.5	0.0
11	8.3	8.3	8.3	8.3	0.0	7.6	15.0	2.7	5.4	0.0
12	8.2	8.2	8.3	8.3	0.0	7.4	14.6	2.5	5.0	0.0
13	8.4	8.4	8.3	8.3	0.0	7.2	14.2	2.3	4.6	0.0
14	8.1	8.1	8.3	8.3	0.0	7.1	14.1	2.3	4.5	0.0
15	8.2	8.2	8.3	8.3	0.0	7.6	15.0	2.7	5.4	0.0
16	8.5	8.5	8.3	8.3	0.0	7.7	15.3	2.9	5.7	0.0
17	8.4	8.4	8.3	8.3	0.0	7.3	14.5	2.5	4.9	0.0
18	8.3	8.3	8.3	8.3	0.0	7.0	13.9	2.2	4.3	0.0
19	8.4	8.4	8.3	8.3	0.0	6.7	13.3	1.9	3.7	0.0
20	8.4	8.4	8.3	8.3	0.0	6.4	12.6	1.5	3.0	0.0
21	8.4	8.4	8.3	8.3	0.0	5.4	10.7	0.6	1.1	0.0
22	8.3	8.3	8.3	8.3	0.0	5.3	10.6	0.5	1.0	0.0
23	7.9	8.0	8.3	8.3	0.0	5.5	10.9	0.7	1.3	0.0
24	8.4	8.4	8.3	8.3	0.0	5.6	11.2	0.8	1.6	0.0
25	8.3	8.3	8.3	8.3	0.0	5.0	10.0	0.2	0.4	0.0
26	8.1	8.1	8.3	8.3	0.0	4.9	9.8	0.1	0.2	0.0
27	8.3	8.3	8.3	8.3	0.0	5.4	10.7	0.6	1.1	0.0
28	8.2	8.2	8.3	8.3	0.0	5.7	11.4	0.9	1.8	0.0
29	8.3	8.3	8.3	8.3	0.0	5.8	11.5	1.0	1.9	0.0
30	8.3	8.3	8.3	8.3	0.0	5.6	11.2	0.8	1.6	0.0
TOTAL SFD	249.0	249.1	249.0	249.0	0.0	208.8	414.3	63.9	126.3	96.0
TOTAL AF	493.9	494.1	493.9	493.9	0.0					189.0

1 - Required flows for January through April are equal to 11.5 cfs less 3.2 cfs of credits (749 AF of Climatic Credit earned in 2014).

2 - Climatic Credits equal the WR-34 discharge less the Actual Flow Maintenance Requirement which is the flow indicated in Section 5 of the CVRMA less applicable credits, but not less than 3.0 cfs.

3 - Art. 17 - Camp Pendleton rights to groundwater equal the flow indicated in Section 5 of the CVRMA minus the Actual Flow Maintenance Requirement which cannot be less than 3.0 cfs. Input to Groundwater Bank shown but cumulative balance did not increase due to account balance maximum of 5,000 AF.

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APPENDIX E

SANTA MARGARITA RIVER WATERSHED
COOPERATIVE WATER RESOURCE MANAGEMENT AGREEMENT REQUIRED FLOWS AND ACCOUNTS
SANTA MARGARITA RIVER NEAR TEMECULA^a

MAY 2015 - BELOW NORMAL YEAR

Day	USGS Official Discharge cfs	USGS Daily Website Discharge cfs	10-Day Running Average of Website Discharge cfs	Minimum Flow Maintenance Requirement /1 cfs	Running Average Less Required Flow cfs	WR-34 Make-Up Discharge cfs	Climatic Credit Earned /2 AF	Input cfs			Output cfs			Cumulative Balance AF	
								Input AF	Output AF	cfs	Input AF	Output AF	cfs		
1	5.8	5.8	5.8	3.9	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
2	5.8	5.8	5.8	3.8	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
3	5.8	5.8	5.8	3.8	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
4	5.8	5.8	5.8	3.8	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
5	5.8	5.8	5.8	3.7	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
6	5.8	5.8	5.8	3.6	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
7	5.4	5.4	5.4	4.2	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
8	5.9	5.9	5.9	4.9	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
9	5.7	5.7	5.7	4.8	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
10	5.7	5.7	5.7	4.9	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
11	5.6	5.5	5.5	5.2	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
12	5.7	5.7	5.7	6.1	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
13	5.7	5.7	5.7	6.0	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
14	13.0	13.0	6.4	5.7	5.4	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
15	141.0	141.0	19.9	5.7	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
16	25.0	25.0	21.9	5.7	16.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
17	3.7	3.7	21.7	5.7	16.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
18	5.9	5.6	21.7	5.7	16.0	5.3	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
19	6.0	5.7	21.7	5.7	16.0	5.7	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
20	6.1	5.8	21.7	5.7	16.0	5.8	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
21	5.9	5.9	21.7	5.7	16.0	6.0	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
22	6.2	6.2	21.8	5.7	16.1	6.2	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
23	6.1	6.1	21.8	5.7	16.1	6.1	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
24	5.8	5.8	21.1	5.7	15.4	5.8	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
25	5.7	5.7	7.6	5.7	1.9	5.8	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
26	6.1	6.2	5.7	5.7	16.0	6.0	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
27	3.9	4.2	4.2	5.7	5.7	4.3	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
28	5.4	5.7	5.7	5.7	5.7	5.7	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
29	5.7	5.8	5.7	5.7	5.7	5.7	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
30	5.8	5.8	5.7	5.7	5.7	5.6	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
31	5.6	5.6	5.7	5.7	5.7	5.5	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
TOTAL SFD	337.4	337.2	280.3	119.7	160.6	143.8	286.0	0.0	5,000.0						
TOTAL AF	669.2	668.8	556.0	237.4	318.5			0.0	5,000.0						

1 - Minimum Flow Maintenance Requirement equals the Section 5 flow for a Below Normal year.
 2 - Climatic Credits not applicable in May through December.

APPENDIX E

**SANTA MARGARITA RIVER WATERSHED
COOPERATIVE WATER RESOURCE MANAGEMENT AGREEMENT REQUIRED FLOWS AND ACCOUNTS
SANTA MARGARITA RIVER NEAR TEMECULA^a**

JUNE 2015 - BELOW NORMAL YEAR

Day	USGS Official Discharge cfs	USGS Daily Website Discharge cfs	10-Day Running Average of Website Discharge cfs	Minimum Flow Maintenance Requirement /1 cfs	Running Average Less Required Flow cfs	WR-34 Make-Up Discharge cfs	Climatic Credit Earned /2 AF	Input cfs			Output cfs			Cumulative Balance AF	
								Input AF	Output AF	cfs	Input AF	Output AF	cfs		
1	4.8	4.9	4.9	4.9	0.0	4.9	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
2	4.9	5.2	5.2	5.2	0.0	4.8	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
3	5.2	5.4	5.4	5.4	0.0	4.6	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
4	5.2	5.0	5.0	5.2	0.0	4.6	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
5	5.4	5.1	5.1	5.4	0.0	5.1	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
6	5.3	5.0	5.0	5.3	0.0	4.9	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
7	5.1	4.9	4.9	5.1	0.0	4.7	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
8	5.1	4.8	4.8	5.1	0.0	4.8	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
9	5.3	5.0	5.0	5.3	0.0	4.7	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
10	5.7	5.3	5.3	5.7	0.0	4.4	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
11	5.2	4.9	4.9	5.1	0.0	4.5	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
12	5.4	5.1	5.1	5.4	0.0	4.6	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
13	5.2	4.9	4.9	5.0	0.0	4.5	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
14	5.2	4.9	4.9	5.0	0.0	4.6	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
15	5.1	4.8	4.8	5.0	0.0	4.7	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
16	5.1	4.8	4.8	5.1	0.0	4.8	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
17	5.2	5.0	5.0	5.2	0.0	4.9	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
18	5.1	4.9	4.9	5.0	0.0	4.7	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
19	5.2	4.9	4.9	5.0	0.0	4.8	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
20	5.1	4.8	4.8	5.1	0.0	4.9	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
21	5.1	4.8	4.8	5.1	0.0	4.9	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
22	5.3	5.0	5.0	5.3	0.0	4.9	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
23	5.1	4.8	4.8	5.1	0.0	4.8	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
24	5.2	4.9	4.9	5.2	0.0	4.9	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
25	5.2	4.9	4.9	5.2	0.0	4.9	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
26	5.6	5.3	5.3	5.6	0.0	4.9	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
27	5.2	4.9	4.9	5.2	0.0	4.7	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
28	5.1	4.8	4.8	5.0	0.0	4.6	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
29	5.0	4.8	4.8	5.0	0.0	4.6	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
30	8.1	7.6	7.6	8.1	0.3	4.7	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
TOTAL SFD	158.7	151.4	99.3	98.0	1.3	141.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
TOTAL AF	314.8	300.3	197.0	194.4	2.6	282.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0

1 - Minimum Flow Maintenance Requirement equals the Section 5 flow for a Below Normal year.
2 - Climatic Credits not applicable in May through December.

APPENDIX E

SANTA MARGARITA RIVER WATERSHED
COOPERATIVE WATER RESOURCE MANAGEMENT AGREEMENT REQUIRED FLOWS AND ACCOUNTS
SANTA MARGARITA RIVER NEAR TEMECULA^a

JULY 2015 - BELOW NORMAL YEAR

Day	USGS Official Discharge cfs	USGS Daily Website Discharge cfs	10-Day Running Average of Website Discharge cfs	Minimum Flow Maintenance Requirement /1 cfs	Running Average Less Required Flow cfs	WR-34 Make-Up Discharge cfs	Climatic Credit Earned /2 AF	Input cfs			Output cfs			Cumulative Balance AF	
								Input AF	Output AF	cfs	Input AF	Output AF	cfs		
1	4.7	4.5	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
2	4.4	4.2	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
3	4.5	4.3	4.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
4	4.1	4.3	4.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
5	4.0	4.3	4.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
6	4.1	4.4	4.1	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
7	3.9	4.2	4.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
8	4.1	4.2	4.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
9	4.5	4.2	4.6	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
10	4.6	4.3	4.6	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
11	4.6	4.3	4.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
12	4.5	4.3	4.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
13	4.6	4.4	4.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
14	4.5	4.3	4.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
15	4.5	4.3	4.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
16	4.6	4.3	4.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
17	4.5	4.3	4.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
18	4.3	4.2	4.2	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
19	6.3	5.8	4.5	4.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
20	30.0	30.0	7.0	4.3	2.7	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
21	4.8	4.6	7.1	4.3	2.8	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
22	4.6	4.5	7.1	4.3	2.8	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
23	4.8	4.6	7.1	4.3	2.8	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
24	4.2	4.0	7.1	4.3	2.8	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
25	4.4	4.1	7.0	4.3	2.7	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
26	4.5	4.3	7.0	4.3	2.7	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
27	4.9	4.6	7.1	4.3	2.8	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
28	4.4	4.2	7.1	4.3	2.8	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
29	4.9	4.9	7.0	4.3	2.7	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
30	4.3	4.4	4.4	4.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
31	4.4	4.4	4.4	4.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
TOTAL SFD	165.5	161.7	118.3	90.3	28.0	108.6	215.8	0.0	5,000.0						
TOTAL AF	328.3	320.7	234.6	179.1	55.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0

1 - Minimum Flow Maintenance Requirement equals the Section 5 flow for a Below Normal year.
 2 - Climatic Credits not applicable in May through December.

APPENDIX E

SANTA MARGARITA RIVER WATERSHED
COOPERATIVE WATER RESOURCE MANAGEMENT AGREEMENT REQUIRED FLOWS AND ACCOUNTS
SANTA MARGARITA RIVER NEAR TEMECULA^a

AUGUST 2015 - BELOW NORMAL YEAR

Day	USGS Official Discharge cfs	USGS Daily Website Discharge cfs	10-Day Running Average of Website Discharge cfs	Minimum Flow Maintenance Requirement /1 cfs	Running Average Less Required Flow cfs	WR-34 Make-Up Discharge cfs	Climatic Credit Earned /2 AF	Input cfs			Output cfs			Cumulative Balance AF	
								Input AF	Output AF	cfs	Input AF	Output AF	cfs		
1	4.4	4.4	3.9	3.9	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
2	4.4	4.4	3.9	3.9	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
3	4.5	4.5	3.8	3.8	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
4	4.3	4.7	3.8	3.8	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
5	4.3	4.3	4.3	4.3	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
6	4.4	4.4	4.2	4.2	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
7	4.4	4.4	4.2	4.2	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
8	4.4	4.4	4.2	4.2	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
9	4.5	4.5	4.2	4.2	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
10	4.5	4.5	4.2	4.2	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
11	4.4	4.4	4.5	4.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
12	4.4	4.4	4.5	4.1	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
13	4.4	4.4	4.4	4.1	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
14	4.4	4.4	4.4	4.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
15	4.3	4.3	4.4	4.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
16	4.3	4.3	4.4	4.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
17	4.3	4.4	4.4	4.1	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
18	4.3	4.3	4.4	4.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
19	4.4	4.4	4.4	4.0	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
20	4.5	4.5	4.5	4.1	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
21	4.3	4.3	4.4	4.0	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
22	4.4	4.4	4.4	4.0	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
23	4.4	4.4	4.4	4.2	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
24	4.4	4.4	4.4	4.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
25	4.7	4.7	4.4	4.2	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
26	4.4	4.4	4.4	3.9	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
27	4.3	4.3	4.4	4.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
28	4.3	4.3	4.4	4.0	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
29	4.3	4.3	4.4	4.0	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
30	4.4	4.4	4.4	4.1	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
31	4.3	4.3	4.4	4.0	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
TOTAL SFD	136.0	136.5	92.6	92.4	126.8	0.2	252.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
TOTAL AF	269.8	270.7	183.7	183.3											

1 - Minimum Flow Maintenance Requirement equals the Section 5 flow for a Below Normal year.

2 - Climatic Credits not applicable in May through December.

APPENDIX E

SANTA MARGARITA RIVER WATERSHED
COOPERATIVE WATER RESOURCE MANAGEMENT AGREEMENT REQUIRED FLOWS AND ACCOUNTS
SANTA MARGARITA RIVER NEAR TEMECULA^a

SEPTEMBER 2015 - BELOW NORMAL YEAR

Day	USGS Official Discharge cfs	USGS Daily Website Discharge cfs	10-Day Running Average of Website Discharge cfs	Minimum Flow Maintenance Requirement /1 cfs	Running Average Less Required Flow cfs	WR-34 Make-Up Discharge cfs	Climatic Credit Earned /2 AF	CAMP PENDLETON GROUNDWATER BANK		
								Input cfs	Input AF	Output cfs
1	4.1	4.1	3.8	7.5	0.0	0.0	0.0	0.0	0.0	5,000.0
2	4.1	4.1	3.8	7.5	0.0	0.0	0.0	0.0	0.0	5,000.0
3	4.1	4.1	3.7	7.4	0.0	0.0	0.0	0.0	0.0	5,000.0
4	4.1	4.1	3.7	7.3	0.0	0.0	0.0	0.0	0.0	5,000.0
5	4.1	4.1	3.8	7.5	0.0	0.0	0.0	0.0	0.0	5,000.0
6	4.1	4.1	3.8	7.5	0.0	0.0	0.0	0.0	0.0	5,000.0
7	4.5	4.5	3.7	7.4	0.0	0.0	0.0	0.0	0.0	5,000.0
8	4.8	4.8	3.7	7.4	0.0	0.0	0.0	0.0	0.0	5,000.0
9	4.1	4.1	3.8	7.5	0.0	0.0	0.0	0.0	0.0	5,000.0
10	4.1	4.1	3.8	7.5	0.0	0.0	0.0	0.0	0.0	5,000.0
11	4.1	4.1	3.8	7.5	0.0	0.0	0.0	0.0	0.0	5,000.0
12	4.1	4.1	3.8	7.6	0.0	0.0	0.0	0.0	0.0	5,000.0
13	4.1	4.1	3.8	7.5	0.0	0.0	0.0	0.0	0.0	5,000.0
14	4.1	4.1	3.8	7.5	0.0	0.0	0.0	0.0	0.0	5,000.0
15	6.0	6.0	2.1	4.2	0.0	0.0	0.0	0.0	0.0	5,000.0
16	4.0	4.0	3.5	7.0	0.0	0.0	0.0	0.0	0.0	5,000.0
17	4.1	4.1	3.7	7.3	0.0	0.0	0.0	0.0	0.0	5,000.0
18	4.1	4.3	3.7	7.4	0.0	0.0	0.0	0.0	0.0	5,000.0
19	4.1	4.3	3.5	7.0	0.0	0.0	0.0	0.0	0.0	5,000.0
20	4.1	4.1	3.6	7.2	0.0	0.0	0.0	0.0	0.0	5,000.0
21	4.1	4.3	3.7	7.3	0.0	0.0	0.0	0.0	0.0	5,000.0
22	4.2	4.2	3.7	7.4	0.0	0.0	0.0	0.0	0.0	5,000.0
23	4.2	4.3	3.8	7.5	0.0	0.0	0.0	0.0	0.0	5,000.0
24	4.1	4.3	3.7	7.3	0.0	0.0	0.0	0.0	0.0	5,000.0
25	4.1	4.1	3.6	7.2	0.0	0.0	0.0	0.0	0.0	5,000.0
26	4.1	4.1	3.6	7.2	0.0	0.0	0.0	0.0	0.0	5,000.0
27	4.1	4.1	3.7	7.3	0.0	0.0	0.0	0.0	0.0	5,000.0
28	4.1	4.1	3.7	7.3	0.0	0.0	0.0	0.0	0.0	5,000.0
29	4.1	4.1	3.7	7.3	0.0	0.0	0.0	0.0	0.0	5,000.0
30	3.9	3.9	3.6	7.1	0.0	0.0	0.0	0.0	0.0	5,000.0
TOTAL SFD	125.9	125.9	84.7	82.0	2.7	109.7	0.0	0.0	0.0	5,000.0
TOTAL AF	249.7	249.7	168.0	162.6	5.4	217.6	0.0	0.0	0.0	5,000.0

1 - Minimum Flow Maintenance Requirement equals the Section 5 flow for a Below Normal year.
 2 - Climatic Credits not applicable in May through December.

APPENDIX E

**SANTA MARGARITA RIVER WATERSHED
COOPERATIVE WATER RESOURCE MANAGEMENT AGREEMENT REQUIRED FLOWS AND ACCOUNTS
SANTA MARGARITA RIVER NEAR TEMECULA^a**

OCTOBER 2015 - BELOW NORMAL YEAR

Day	USGS Official Discharge cfs	USGS Daily Website Discharge cfs	10-Day Running Average of Website Discharge cfs	Minimum Flow Maintenance Requirement /1 cfs	Running Average Less Required Flow cfs	WR-34 Make-Up Discharge cfs	Climatic Credit Earned /2 AF	CAMP PENDLETON GROUNDWATER BANK			
								Input cfs	Input AF	Output cfs	Output AF
1	3.9	3.9	3.9	3.7	7.3	0.0	0.0	0.0	0.0	0.0	5,000.0
2	3.9	3.9	3.9	3.6	7.2	0.0	0.0	0.0	0.0	0.0	5,000.0
3	3.9	3.9	3.9	3.8	7.5	0.0	0.0	0.0	0.0	0.0	5,000.0
4	8.2	8.3	8.3	1.9	3.7	0.0	0.0	0.0	0.0	0.0	5,000.0
5	3.4	3.9	3.9	3.0	5.9	0.0	0.0	0.0	0.0	0.0	5,000.0
6	3.5	3.9	3.9	3.2	6.4	0.0	0.0	0.0	0.0	0.0	5,000.0
7	3.7	3.7	3.7	3.4	6.8	0.0	0.0	0.0	0.0	0.0	5,000.0
8	3.9	3.9	3.9	3.7	7.4	0.0	0.0	0.0	0.0	0.0	5,000.0
9	3.9	3.9	3.9	3.8	7.5	0.0	0.0	0.0	0.0	0.0	5,000.0
10	3.9	3.9	3.9	3.8	7.6	0.0	0.0	0.0	0.0	0.0	5,000.0
11	3.9	3.9	3.9	3.9	7.7	0.0	0.0	0.0	0.0	0.0	5,000.0
12	3.9	3.9	4.3	3.9	7.8	0.0	0.0	0.0	0.0	0.0	5,000.0
13	4.0	4.0	4.3	3.9	7.8	0.0	0.0	0.0	0.0	0.0	5,000.0
14	3.9	3.9	3.9	3.9	7.7	0.0	0.0	0.0	0.0	0.0	5,000.0
15	3.9	3.9	3.9	3.9	7.7	0.0	0.0	0.0	0.0	0.0	5,000.0
16	3.9	3.9	3.9	3.8	7.6	0.0	0.0	0.0	0.0	0.0	5,000.0
17	3.9	3.9	3.9	3.8	7.5	0.0	0.0	0.0	0.0	0.0	5,000.0
18	3.9	3.9	3.9	4.0	8.0	0.0	0.0	0.0	0.0	0.0	5,000.0
19	3.9	3.9	3.9	3.9	8.0	0.0	0.0	0.0	0.0	0.0	5,000.0
20	3.9	3.9	3.9	4.0	8.0	0.0	0.0	0.0	0.0	0.0	5,000.0
21	3.9	3.9	3.9	4.1	8.1	0.0	0.0	0.0	0.0	0.0	5,000.0
22	3.9	3.9	3.9	4.1	8.1	0.0	0.0	0.0	0.0	0.0	5,000.0
23	3.9	3.9	3.9	4.0	8.0	0.0	0.0	0.0	0.0	0.0	5,000.0
24	3.9	3.9	3.9	4.1	8.1	0.0	0.0	0.0	0.0	0.0	5,000.0
25	3.9	3.9	3.9	4.1	8.2	0.0	0.0	0.0	0.0	0.0	5,000.0
26	3.9	3.9	3.9	4.1	8.1	0.0	0.0	0.0	0.0	0.0	5,000.0
27	3.9	3.9	3.9	4.0	8.0	0.0	0.0	0.0	0.0	0.0	5,000.0
28	3.9	3.9	3.9	4.0	7.9	0.0	0.0	0.0	0.0	0.0	5,000.0
29	3.9	3.9	3.9	3.9	7.8	0.0	0.0	0.0	0.0	0.0	5,000.0
30	3.9	3.9	3.9	3.9	7.8	0.0	0.0	0.0	0.0	0.0	5,000.0
31	3.9	3.9	3.9	3.9	7.8	0.0	0.0	0.0	0.0	0.0	5,000.0
TOTAL SFD	124.2	125.2	83.1	81.9	1.2	117.2	233.0	0.0	0.0	0.0	5,000.0
TOTAL AF	246.3	248.3	164.8	162.4	2.4						

1 - Minimum Flow Maintenance Requirement equals the Section 5 flow for a Below Normal year.

2 - Climatic Credits not applicable in May through December.

APPENDIX E

**SANTA MARGARITA RIVER WATERSHED
COOPERATIVE WATER RESOURCE MANAGEMENT AGREEMENT REQUIRED FLOWS AND ACCOUNTS
SANTA MARGARITA RIVER NEAR TEMECULA^a**

NOVEMBER 2015 - BELOW NORMAL YEAR

Day	USGS Official Discharge cfs	USGS Daily Website Discharge cfs	10-Day Running Average of Website Discharge cfs	Minimum Flow Maintenance Requirement /1 cfs	Running Average Less Required Flow cfs	WR-34 Make-Up Discharge cfs	Climatic Credit Earned /2 AF	CAMP PENDLETON GROUNDWATER BANK		
								Input cfs	Input AF	Output cfs
1	4.5	4.5	4.5	4.5	0.0	4.5	8.9	0.0	0.0	0.0
2	4.5	4.5	4.5	4.5	0.0	4.5	9.0	0.0	0.0	0.0
3	4.5	4.5	4.5	4.5	0.0	4.5	8.9	0.0	0.0	0.0
4	4.5	4.5	4.5	4.5	0.0	4.5	8.9	0.0	0.0	0.0
5	4.5	4.5	4.5	4.5	0.0	4.5	8.9	0.0	0.0	0.0
6	4.5	4.5	4.5	4.5	0.0	4.4	8.8	0.0	0.0	0.0
7	4.5	4.5	4.5	4.5	0.0	4.4	8.8	0.0	0.0	0.0
8	4.5	4.5	4.5	4.5	0.0	4.5	8.9	0.0	0.0	0.0
9	4.6	4.6	4.6	4.6	0.0	4.5	8.9	0.0	0.0	0.0
10	4.5	4.5	4.5	4.5	0.0	4.4	8.8	0.0	0.0	0.0
11	4.5	4.5	4.5	4.5	0.0	4.4	8.8	0.0	0.0	0.0
12	4.4	4.4	4.4	4.4	0.0	4.4	8.8	0.0	0.0	0.0
13	4.5	4.5	4.5	4.5	0.0	4.4	8.8	0.0	0.0	0.0
14	4.5	4.5	4.5	4.5	0.0	4.4	8.8	0.0	0.0	0.0
15	4.5	4.5	4.5	4.5	0.0	4.4	8.8	0.0	0.0	0.0
16	4.5	4.5	4.5	4.5	0.0	4.4	8.8	0.0	0.0	0.0
17	4.5	4.5	4.5	4.5	0.0	4.4	8.8	0.0	0.0	0.0
18	4.6	4.6	4.6	4.5	0.0	4.4	8.8	0.0	0.0	0.0
19	4.5	4.5	4.5	4.5	0.0	4.3	8.6	0.0	0.0	0.0
20	4.6	4.6	4.6	4.6	0.0	4.3	8.6	0.0	0.0	0.0
21	4.5	4.5	4.5	4.5	0.0	4.2	8.4	0.0	0.0	0.0
22	4.5	4.5	4.5	4.5	0.0	4.3	8.5	0.0	0.0	0.0
23	4.5	4.5	4.5	4.5	0.0	4.3	8.6	0.0	0.0	0.0
24	4.5	4.5	4.5	4.5	0.0	4.4	8.7	0.0	0.0	0.0
25	4.6	4.6	4.6	4.5	0.0	4.3	8.6	0.0	0.0	0.0
26	4.7	4.7	4.6	4.6	0.1	4.3	8.5	0.0	0.0	0.0
27	4.6	4.6	4.6	4.5	0.1	3.8	7.5	0.0	0.0	0.0
28	4.4	4.4	4.4	4.5	0.0	3.7	7.3	0.0	0.0	0.0
29	4.3	4.3	4.3	4.5	0.0	3.7	7.4	0.0	0.0	0.0
30	4.3	4.3	4.3	4.5	0.0	3.7	7.4	0.0	0.0	0.0
TOTAL SFD	135.1	135.1	90.2	90.0	0.2	129.2	0.0	0.0	0.0	0.0
TOTAL AF	268.0	268.0	178.9	178.5	0.4	257.3	0.0	0.0	0.0	5,000.0

1 - Minimum Flow Maintenance Requirement equals the Section 5 flow for a Below Normal year.
2 - Climatic Credits not applicable in May through December.

APPENDIX E

SANTA MARGARITA RIVER WATERSHED
COOPERATIVE WATER RESOURCE MANAGEMENT AGREEMENT REQUIRED FLOWS AND ACCOUNTS
SANTA MARGARITA RIVER NEAR TEMECULA^a

DECEMBER 2015 - BELOW NORMAL YEAR

Day	USGS Official Discharge cfs	USGS Daily Website Discharge cfs	10-Day Running Average of Website Discharge cfs	Minimum Flow Maintenance Requirement /1 cfs	Running Average Less Required Flow cfs	WR-34 Make-Up Discharge cfs	Climatic Credit Earned /2 AF	Input cfs			Output cfs			Cumulative Balance AF	
								Input AF	Output AF	cfs	Input AF	Output AF	cfs		
1	4.9	5.4	4.9	4.9	0.0	4.9	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
2	5.0	5.0	5.0	5.2	0.0	5.2	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
3	5.4	5.4	5.4	5.5	0.0	5.5	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
4	5.4	5.4	5.4	5.5	0.0	5.5	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
5	5.4	5.4	5.4	5.5	0.0	5.5	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
6	5.3	5.3	5.3	5.5	0.0	5.5	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
7	5.3	5.3	5.3	5.5	0.0	5.5	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
8	5.3	5.3	5.3	5.5	0.0	5.5	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
9	5.3	5.3	5.3	5.5	0.0	5.5	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
10	5.3	5.3	5.3	5.5	0.0	5.5	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
11	5.3	5.3	5.3	5.5	0.0	5.5	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
12	5.3	5.3	5.3	5.5	0.0	5.5	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
13	5.3	5.3	5.3	5.5	0.0	5.5	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
14	5.3	5.3	5.3	5.5	0.0	5.5	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
15	5.3	5.3	5.3	5.5	0.0	5.5	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
16	5.3	5.3	5.3	5.5	0.0	5.5	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
17	5.3	5.3	5.3	5.5	0.0	5.5	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
18	5.3	5.3	5.3	5.5	0.0	5.5	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
19	5.3	5.3	5.3	5.5	0.0	5.5	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
20	5.3	5.3	5.3	5.5	0.0	5.5	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
21	5.3	5.3	5.3	5.5	0.0	5.5	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
22	5.3	5.3	5.3	5.5	0.0	5.5	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
23	5.3	5.3	5.3	5.5	0.0	5.5	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
24	5.3	5.3	5.3	5.5	0.0	5.5	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
25	5.2	5.2	5.3	5.5	0.0	5.5	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
26	5.3	5.3	5.3	5.5	0.0	5.5	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
27	5.3	5.3	5.3	5.5	0.0	5.5	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
28	5.3	5.3	5.3	5.5	0.0	5.5	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
29	5.3	5.3	5.3	5.5	0.0	5.5	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
30	5.3	5.3	5.3	5.5	0.0	5.5	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
31	5.2	5.2	5.3	5.5	0.0	5.5	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
TOTAL SFD	163.7	164.2	111.3	0.0	166.4	330.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0
TOTAL AF	324.7	325.7	220.8	0.0	220.8	330.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0

1 - Minimum Flow Maintenance Requirement equals the Section 5 flow for a Below Normal year.
 2 - Climatic Credits not applicable in May through December.

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ANNUAL REPORT

**COOPERATIVE WATER RESOURCE
MANAGEMENT AGREEMENT**

CALENDAR YEAR 2015

APPENDIX B-2

**2015 REQUESTED MODIFICATIONS FOR
REQUIRED MINIMUM DAILY FLOWS**

**Note: No modifications
for Required Minimum Daily Flows
were requested by the Parties
during Calendar Year 2015.**

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ANNUAL REPORT

**COOPERATIVE WATER RESOURCE
MANAGEMENT AGREEMENT**

CALENDAR YEAR 2015

APPENDIX C-1

PALA PARK GROUNDWATER MONITORING WELL

Site Description

Pala Park Groundwater Monitoring Well

(8S/2W-19A1-6)

LOCATION: Latitude 33° 28' 19.67", longitude 117° 07' 06.86" (NAD83) in Riverside County, California. Well is located off Temecula Lane just south of Pala Community Park in Temecula, California.

SITE INFORMATION: Land-surface altitude is 1016.24 feet above mean sea level (NAVD88).

WATER-LEVEL RECORD: The period of record for intermittent and daily water-level measurements is listed below.

State well number	USGS station number	Intermittent water-level	Daily water-level
8S/2W-19A1	332819117070601	09/30/2006 to present	12/27/2006 to present
8S/2W-19A2	332819117070602	09/30/2006 to present	12/27/2006 to present
8S/2W-19A3	332819117070603	09/30/2006 to present	12/27/2006 to present
8S/2W-19A4	332819117070604	09/30/2006 to present	12/27/2006 to present
8S/2W-19A5	332819117070605	09/30/2006 to present	12/27/2006 to present
8S/2W-19A6	332819117070606	12/1/2008 to present	2/19/2009 to present

TOPOGRAPHIC MAP: USGS Pechanga, California, 7.5 minute series.

WELL SUMMARY INFORMATION:

State well number	USGS station number	Hole depth (ft)	Perforation depth (ft)	Casing size and type	Date drilled
8S/2W-19A1	332819117070601	1499	1430-1470	3" PVC	9/30/06
8S/2W-19A2	332819117070602	1499	1110-1130	2" PVC	9/30/06
8S/2W-19A3	332819117070603	1499	750-770	2" PVC	9/30/06
8S/2W-19A4	332819117070604	1499	380-400	2" PVC	9/30/06
8S/2W-19A5	332819117070605	1499	120-140	2" PVC	9/30/06
8S/2W-19A6	332819117070606	1499	15-35	2" PVC	9/30/06

ADDITIONAL INFORMATION:

Additional information for Pala Park Groundwater Monitoring Well can be found in Santa Margarita River Watershed 2007 Annual Watermaster Report including geophysical logs; core, shaker, and sieve lithological logs; and well completion reports. Information can also be found at the following web site: <http://ca.water.usgs.gov/temecula/>.

SITE I.D.: 3328191170706 01-06

COMPLETION DATE: 9/30/06

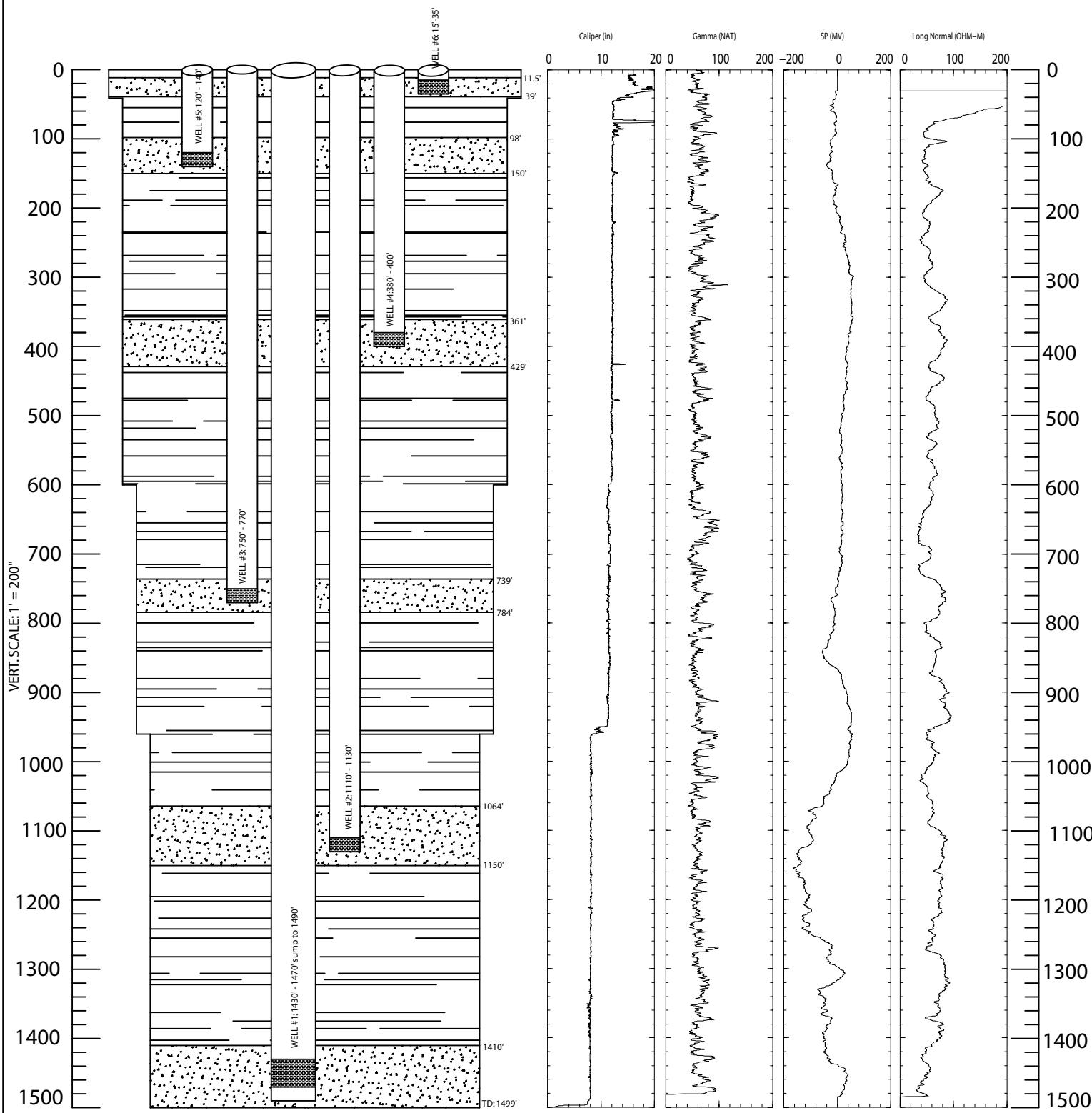
STATION NAME: 08S/02W-19A 01-06

TOTAL DEPTH: 1499'

USGS SITE: TMPP- Temecula Pala Park

WELL FINISH: VAULT

OWNER: Rancho California Water Agency



DRILL TYPE: HYDRAULIC MUD ROTARY

DRILLER: USGS WESTERN REGION CREW

CASING TYPE: SCHD. 80 PVC 20' SEC.

SCREEN TYPE: SCHD. 80 1.5"x0.02" SLOTS

GROUT: PUREGOLD GROUT @ 30% SOLIDS

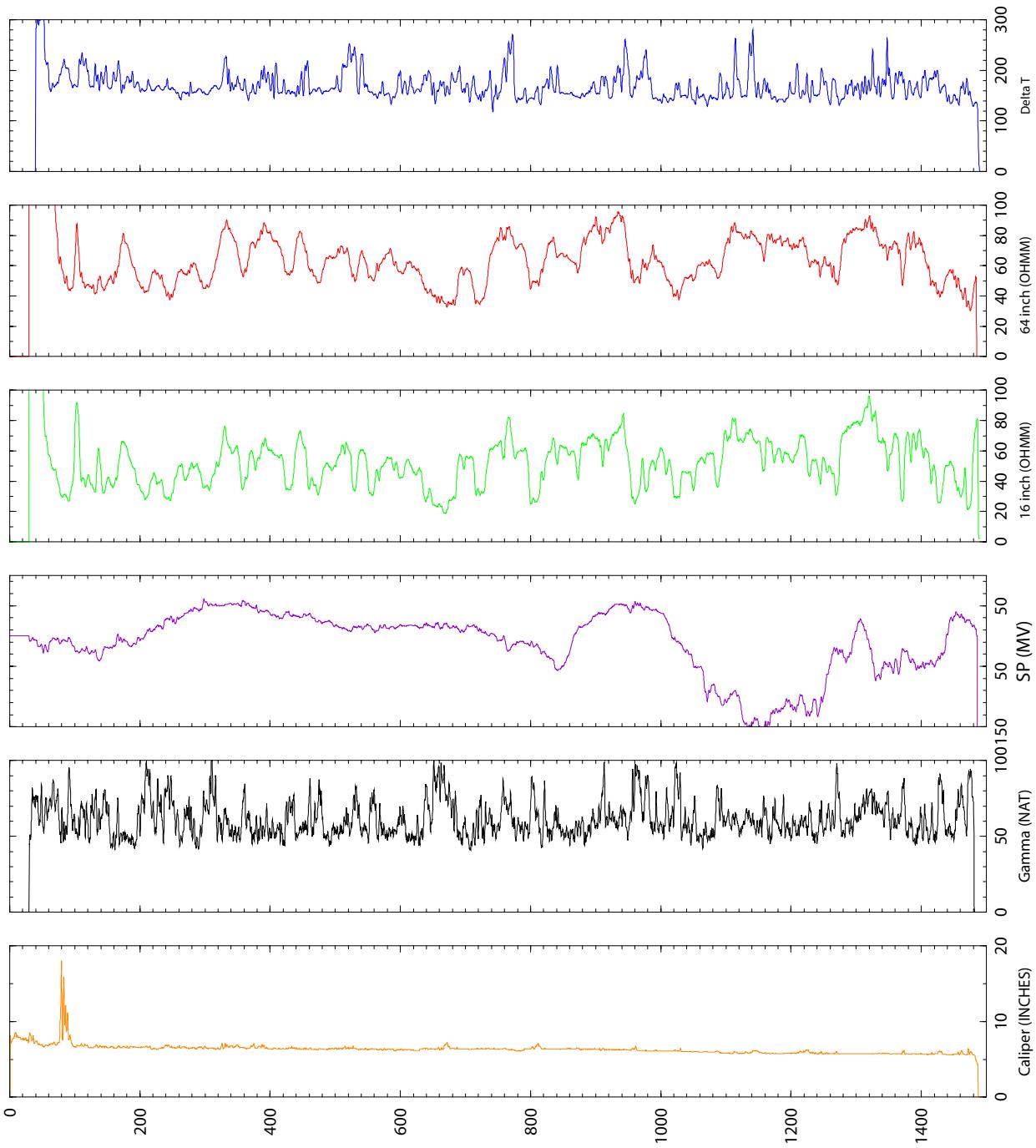
SAND: RMC LONESTAR #3

BOREHOLE DIA: 15":0'- 41'; 12.25":41'-600'; 10.5":600'-960'; 8.5":960'-1499'

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TMPP

Pacific Surveys Logs



End-of Month Piezometric Head for Multiple Depth Monitoring Well
Pala Park Well (8S/2W-19A1-6)
(elevation in feet, MSL)

October 2006 through December 2015

Month	Well A1	Well A2	Well A3	Well A4	Well A5	Well A6
Oct 06	---	---	---	---	---	---
Nov	---	---	---	---	---	---
Dec	970.21	953.97	944.19	940.78	925.55	---
Jan 07	969.89	953.07	943.31	940.00	922.45	---
Feb	969.68	952.35	942.17	938.89	920.01	---
Mar	969.04	951.26	941.35	937.97	917.71	---
Apr	968.84	950.61	940.37	936.85	922.89	---
May	967.37	948.55	939.28	936.40	918.52	---
Jun	966.56	947.64	939.26	936.53	916.65	---
Jul	966.04	947.62	938.49	935.47	914.84	---
Aug	965.68	947.12	937.37	934.17	912.90	---
Sep	965.39	946.61	936.40	933.08	911.11	---
Oct	965.71	946.51	936.06	932.21	909.40	---
Nov	964.80	945.15	934.01	930.41	907.17	---
Dec	965.43	944.77	934.11	930.75	938.11	---
Jan 08	965.82	944.81	934.92	931.42	---	---
Feb	965.88	944.98	935.58	932.16	989.94	---
Mar	963.78	943.59	934.03	930.95	962.46	---
Apr	963.39	943.15	932.69	929.80	947.48	---
May	963.02	942.36	931.76	928.82	960.12	---
Jun	962.20	941.24	930.79	928.27	944.88	---
Jul	961.59	940.61	930.61	928.07	937.51	---
Aug	961.12	940.10	929.98	927.42	932.44	---
Sep	960.48	939.36	929.45	926.88	927.61	---
Oct	959.97	938.86	928.69	925.98	922.94	---
Nov	960.61	939.25	929.15	926.08	940.57	---
Dec	961.41	939.60	929.68	926.65	975.38	---
Jan 09	960.12	938.38	929.58	927.25	952.55	---
Feb	960.48	939.08	930.62	928.26	982.18	---
Mar	959.58	938.88	931.00	928.77	959.70	---
Apr	959.22	939.16	930.63	928.34	947.76	---
May	958.85	938.80	930.49	928.35	940.85	---
Jun	958.70	939.07	930.44	928.06	936.30	---
Jul	958.07	938.22	929.67	927.63	932.18	---
Aug	957.48	937.81	929.74	927.92	928.57	---
Sep	956.44	937.11	929.67	928.05	925.86	---
Oct	955.94	937.00	930.37	928.85	924.09	---
Nov	955.70	937.27	931.27	929.85	923.54	---
Dec	956.44	938.37	932.63	931.08	947.15	---
Jan 10	958.12	940.62	934.88	932.98	987.33	---
Feb	958.30	941.16	935.99	934.53	1000.20	---
Mar	957.39	941.23	936.94	935.78	973.96	---
Apr	957.31	941.82	936.78	936.37	981.43	---
May	957.13	942.30	937.22	936.81	964.51	---
Jun	957.56	942.96	937.31	937.02	956.53	---
Jul	957.38	943.04	937.35	937.12	950.82	---
Aug	957.68	943.50	937.65	937.39	947.11	---
Sep	957.79	943.75	937.81	937.44	944.16	---
Oct	958.02	943.82	938.09	937.85	958.25	---
Nov	959.06	944.92	939.69	939.11	961.49	---
Dec	960.31	946.27	941.49	941.05	999.57	992.04

End-of Month Piezometric Head for Multiple Depth Monitoring Well
Pala Park Well (8S/2W-19A1-6)
(elevation in feet, MSL)

October 2006 through December 2015

Month	Well A1	Well A2	Well A3	Well A4	Well A5	Well A6
Jan 11	959.48	946.04	942.22	942.24	982.16	---
Feb	959.81	946.94	942.67	943.04	996.72	991.56
Mar	960.32	947.70	943.87	944.55	992.96	990.82
Apr	959.54	947.67	944.28	945.30	979.90	985.07
May	959.49	948.03	944.74	946.07	971.92	---
Jun	960.59	949.74	946.08	946.70	966.51	---
Jul	960.63	950.13	944.62	945.09	959.44	---
Aug	960.72	949.74	943.91	944.55	955.25	---
Sep	960.36	949.05	944.22	945.16	954.00	---
Oct	961.23	949.88	945.92	946.76	957.56	---
Nov	961.88	950.66	947.62	948.63	976.20	---
Dec	961.56	950.93	948.77	950.20	976.65	986.55
Jan 12	962.29	952.43	950.81	951.89	971.73	986.23
Feb	962.58	953.66	950.83	951.88	993.63	989.09
Mar	963.98	955.00	952.20	953.42	995.52	993.88
Apr	963.26	954.66	952.53	955.32	994.18	992.68
May	963.08	955.17	953.43	957.89	989.88	990.66
Jun	963.48	955.95	954.48	959.25	988.40	989.70
Jul	964.07	957.07	955.13	959.35	986.53	989.47
Aug	964.08	957.24	954.48	958.54	982.95	989.34
Sep	964.36	957.66	954.64	958.17	979.23	988.83
Oct	964.53	957.65	955.01	958.37	977.49	988.68
Nov	964.57	957.70	955.86	959.43	977.90	989.80
Dec	966.85	960.15	957.99	961.11	990.99	991.54
Jan 13	967.70	961.35	959.01	962.77	990.23	991.72
Feb	967.29	961.03	959.27	964.54	993.57	993.78
Mar	966.81	961.02	960.51	970.43	993.38	993.86
Apr	966.88	961.71	961.91	972.78	993.23	994.21
May	968.53	963.81	963.40	973.26	992.76	993.69
Jun	969.56	965.24	964.01	973.54	992.79	993.93
Jul	968.74	964.64	963.48	972.67	991.73	992.70
Aug	968.91	964.98	963.18	971.35	989.71	991.21
Sep	968.95	964.73	962.44	969.41	987.51	990.74
Oct	969.06	964.62	962.58	968.55	986.92	990.61
Nov	969.52	964.88	963.18	968.71	988.27	991.07
Dec	969.47	964.82	963.70	969.62	990.15	991.82
Jan 14	969.59	965.27	964.70	972.00	991.37	992.47
Feb	970.44	966.47	966.65	975.30	996.35	993.52
Mar	970.48	966.94	967.84	978.40	996.68	996.80
Apr	971.51	968.64	969.79	979.80	996.73	996.83
May	973.22	970.76	970.39	979.06	995.25	995.15
Jun	974.31	971.64	970.64	978.70	994.55	994.99
Jul	973.96	971.47	969.85	977.12	992.51	992.94
Aug	973.70	971.05	969.05	975.90	990.64	991.55
Sep	973.86	970.96	968.81	974.84	989.22	990.68
Oct	973.85	970.56	967.88	972.86	985.97	989.95
Nov	973.99	970.20	967.63	971.89	982.93	990.18
Dec	975.70	971.26	969.49	977.05	995.09	995.82

**End-of Month Piezometric Head for Multiple Depth Monitoring Well
Pala Park Well (8S/2W-19A1-6)
(elevation in feet, MSL)**

October 2006 through December 2015

Month	Well A1	Well A2	Well A3	Well A4	Well A5	Well A6
Jan 15	975.30	971.09	970.53	979.01	995.18	995.27
Feb	975.29	971.58	971.03	979.26	994.84	995.22
Mar	974.94	971.51	971.14	979.56	995.19	995.41
Apr	975.29	972.20	971.59	979.40	994.29	994.55
May	976.28	973.32	972.37	979.48	994.82	994.71
Jun	975.99	972.87	970.98	977.87	992.41	993.07
Jul	976.65	973.53	971.38	977.04	990.93	991.69
Aug	976.73	973.08	970.06	975.08	988.39	990.44
Sep	976.55	972.33	969.05	973.30	984.20	990.08
Oct	976.24	971.53	968.75	972.95	987.03	991.13
Nov	976.11	971.31	969.33	973.99	989.68	991.99
Dec	976.86	972.04	970.74	976.67	991.81	993.11

Notes:

- (1) Data reported as 12:00 PM reading for period December 2006 through September 2010.
- (2) Data reported as daily median value for period October 2010 to present.

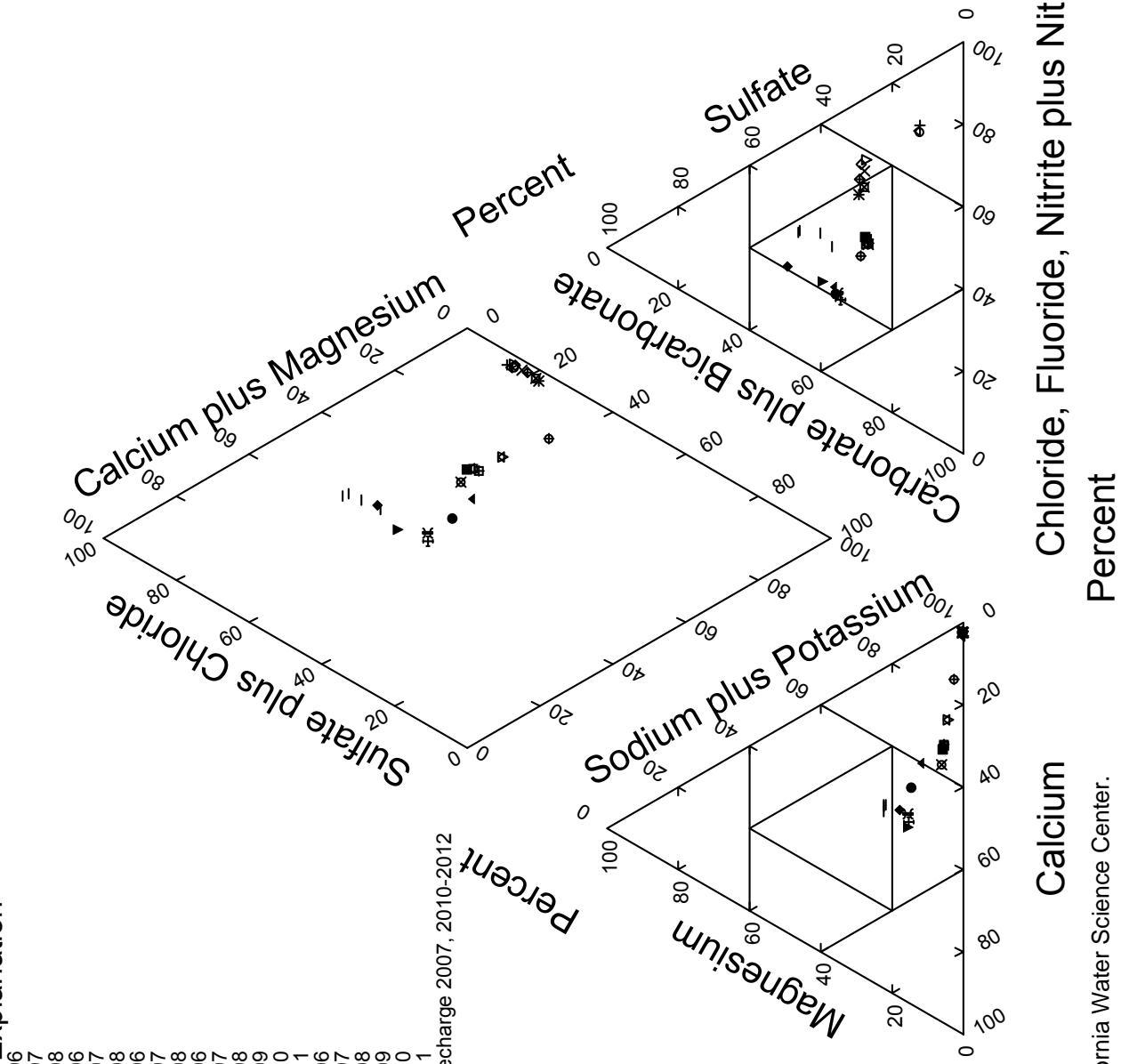
Source: USGS California Water Science Center.

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Tri-Linear Diagram Pala Park Well (8S/2W-19A1-6)

Explanation

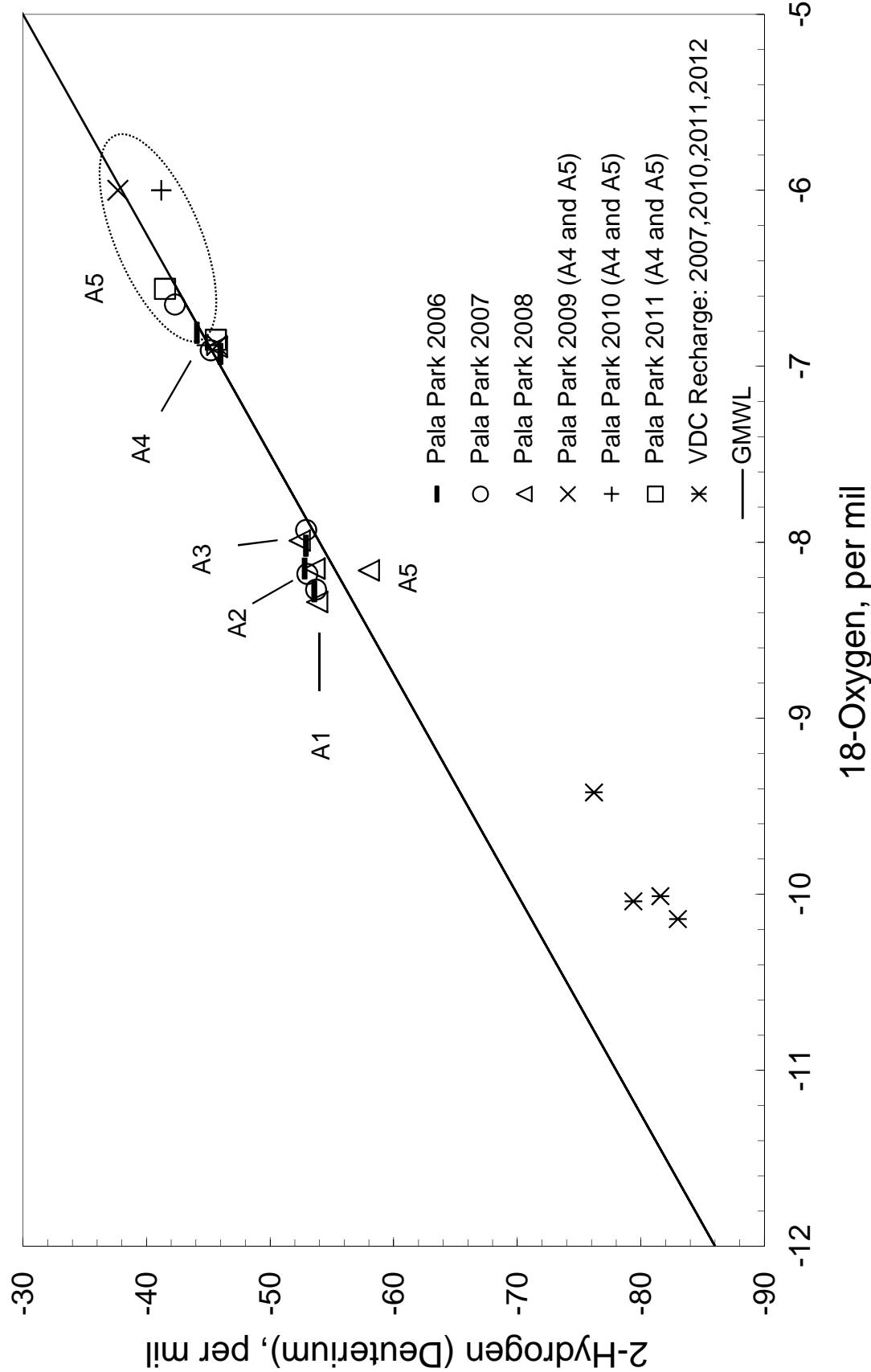
A1-2006
 A1-2007
 A1-2008
 A2-2006
 A2-2007
 A2-2008
 A3-2006
 A3-2007
 A3-2008
 A4-2006
 A4-2007
 A4-2008
 A4-2009
 A4-2010
 A4-2011
 A5-2006
 A5-2007
 A5-2008
 A5-2009
 A5-2010
 A5-2011
 VDC Recharge 2007, 2010-2012



Source: USGS California Water Science Center.

Stable Isotope Diagram

Pala Park Monitoring Wells



Source: USGS California Water Science Center.

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
November 2006**

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
Sampling date		11/8/2006	11/2/2006	11/1/2006	11/6/2006	11/8/2006	
3 Sampling depth, feet			22.3	20.5	21.4	22.9	20.8
10 Temperature, water, degrees Celsius			80020	80020	80020	80020	80020
28 Agency analyzing sample, code							
59 Flow rate, instantaneous, gallons per minute							
95 Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius							
191 Hydrogen ion, water, unfiltered, calculated, milligrams per liter							
300 Dissolved oxygen, water, unfiltered, milligrams per liter							
400 pH, water, unfiltered, field, standard units							
403 pH, water, unfiltered, laboratory, standard units							
602 Total nitrogen, water, filtered, milligrams per liter							
607 Organic nitrogen, water, filtered, milligrams per liter							
608 Ammonia, water, filtered, milligrams per liter as nitrogen							
613 Nitrite, water, filtered, milligrams per liter as nitrogen	1 (a)						
618 Nitrate, water, filtered, milligrams per liter as nitrogen							
623 Ammonia plus organic nitrogen, water, filtered, milligrams per liter as nitrogen							
631 Nitrate plus nitrite, water, filtered, milligrams per liter as nitrogen							
660 Orthophosphate, water, filtered, milligrams per liter							
666 Phosphorus, water, filtered, milligrams per liter							
671 Orthophosphate, water, filtered, milligrams per liter as phosphorus							
900 Hardness, water, milligrams per liter as calcium carbonate							
904 Noncarbon hardness, water filtered field, milligrams per liter as calcium carbonate							
915 Calcium, water, filtered, milligrams per liter							
925 Magnesium, water, filtered, milligrams per liter							
930 Sodium, water, filtered, milligrams per liter							
931 Sodium adsorption ratio, water, number							
932 Sodium fraction of cations, water, percent in equivalents of major cations							
935 Potassium, water, filtered, milligrams per liter							
940 Chloride, water, filtered, milligrams per liter							
945 Sulfate, water, filtered, milligrams per liter							
950 Fluoride, water, filtered, milligrams per liter							
955 Silica, water, filtered, milligrams per liter							
1000 Arsenic, water, filtered, micrograms per liter							
1005 Barium, water, filtered, micrograms per liter							
1010 Beryllium, micrograms per liter							
1020 Boron, water, filtered, micrograms per liter							
1025 Cadmium, micrograms per liter							
1030 Chromium, micrograms per liter							
1035 Cobalt, micrograms per liter							
1040 Copper, micrograms per liter							
1046 Iron, water, filtered, micrograms per liter							
1049 Lead, micrograms per liter							
1056 Manganese, water, filtered, micrograms per liter							
1057 Thallium, micrograms per liter							
1060 Molybdenum, micrograms per liter							
1065 Nickel, micrograms per liter							
1075 Silver, micrograms per liter							
1080 Strontium, water, filtered, micrograms per liter							
1085 Vanadium, micrograms per liter							
1090 Zinc, micrograms per liter							
1095 Antimony, micrograms per liter							
1106 Aluminum, water, filtered, micrograms per liter							
1130 Lithium, water, filtered, micrograms per liter							
1145 Selenium, micrograms per liter							
4022 Terbutylazine, water, filtered, recoverable, micrograms per liter							

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)**
November 2006

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
	Sampling date		11/8/2006	11/2/2006	11/1/2006	11/6/2006	11/8/2006
4025	Hexazirnone, water, filtered, recoverable, micrograms per liter					< 0.026	< 0.026
4029	Bromacil, water, filtered, recoverable, micrograms per liter						
4035	Simazine, water, filtered, recoverable, micrograms per liter				< 0.006	0.036	
4036	Prometryn, water, filtered, recoverable, micrograms per liter				< 0.006	< 0.01	
4037	Prometon, water, filtered, recoverable, micrograms per liter				< 0.01	< 0.01	
4040	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, micrograms per liter				< 0.014	< 0.014	
4095	Fenofos, water, filtered, recoverable, micrograms per liter				< 0.006	< 0.006	
7000	Tritium, water, unfiltered, picocuries per liter	-0.19	0.35	0.45	0.58	11.14	
22703	Uranium, natural, micrograms per liter		50	65	74	165	168
29801	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, laboratory, milligrams per liter as calcium carbonate				< 0.04	< 0.04	
30217	Dibromomethane, water, unfiltered, recoverable, micrograms per liter				< 0.04	< 0.04	
32101	Bromodichloromethane, water, unfiltered, recoverable, micrograms per liter	0.5			< 0.08	< 0.08	
32102	Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter				< 0.1	< 0.1	
32103	1,2-Dichloroethane, water, unfiltered, recoverable, micrograms per liter				< 0.08	< 0.08	
32104	Trifluoromethane, water, unfiltered, recoverable, micrograms per liter				< 0.1	< 0.1	
32105	Dibromo-chloromethane, water, unfiltered, recoverable, micrograms per liter				< 0.1	< 0.1	
32106	Trichloromethane, water, unfiltered, recoverable, micrograms per liter				< 0.04	0.03 E	
34010	Toluene, water, unfiltered, recoverable, micrograms per liter	150			< 0.02	< 0.02	
34030	Benzene, water, unfiltered, recoverable, micrograms per liter	1			< 0.02	< 0.02	
34215	Acryonitrile, water, unfiltered, recoverable, micrograms per liter				< 0.4	< 0.4	
34221	Anthracene, water, filtered, recoverable, micrograms per liter						
34248	Benzaldehyde, water, filtered, recoverable, micrograms per liter	0.2 (p)					
34288	Trichloromethane, water, filtered, recoverable, micrograms per liter						
34301	Chlorobenzene, water, unfiltered, recoverable, micrograms per liter	70			< 0.02	< 0.02	
34311	Chloroethane, water, unfiltered, recoverable, micrograms per liter				< 0.1	< 0.1	
34371	Ethylbenzene, water, unfiltered, recoverable, micrograms per liter	300			< 0.02	< 0.02	
34377	Fluoranthene, water, unfiltered, recoverable, micrograms per liter						
34396	Hexachloroethane, water, unfiltered, recoverable, micrograms per liter				< 0.1	< 0.1	
34409	Isophorone, water, filtered, recoverable, micrograms per liter				< 0.1	< 0.1	
34413	Bromomethane, water, unfiltered, recoverable, micrograms per liter				< 0.4	< 0.4	
34418	Chloromethane, water, unfiltered, recoverable, micrograms per liter				< 0.1	< 0.1	
34423	Dichloromethane, water, unfiltered, recoverable, micrograms per liter				< 0.04	< 0.04	
34443	Naphthalene, water, filtered, recoverable, micrograms per liter						
34462	Phenanthrene, water, filtered, recoverable, micrograms per liter						
34466	Phenol, water, unfiltered, recoverable, micrograms per liter						
34470	Pyrene, water, filtered, recoverable, micrograms per liter						
34475	Tetrachloroethene, water, unfiltered, recoverable, micrograms per liter	5			< 0.04	< 0.04	
34476	Tetrachloroethene, water, unfiltered, recoverable, micrograms per liter						
34488	Trichlorofluoromethane, water, unfiltered, recoverable, micrograms per liter	150			< 0.08	< 0.08	
34496	1,1-Dichloroethane, water, unfiltered, recoverable, micrograms per liter	5			< 0.06	< 0.06	
34501	1,1,1-Trichloroethane, water, unfiltered, recoverable, micrograms per liter	6			< 0.02	< 0.02	
34506	1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter	200			< 0.04	< 0.04	
34511	1,1,2-Trichloroethane, water, unfiltered, recoverable, micrograms per liter	5			< 0.04	< 0.04	
34516	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter	1			< 0.10	< 0.10	
34536	1,2-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter	600			< 0.04	< 0.04	
34541	1,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter	5			< 0.02	< 0.02	
34546	trans-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter	10			< 0.02	< 0.02	
34551	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter	5			< 0.1	< 0.1	
34566	1,3-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter				< 0.04	< 0.04	
34571	1,4-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter				< 0.04	< 0.04	
34572	1,4-Dichloroethene, water, unfiltered, recoverable, micrograms per liter	5					
34668	Dichlorofluoromethane, water, unfiltered, recoverable, micrograms per liter				< 0.14	< 0.14	
34696	Naphthalene, water, unfiltered, recoverable, micrograms per liter				< 0.4	< 0.4	
34699	trans-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5			< 0.1	< 0.1	

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)**
November 2006

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
	Sampling date		11/8/2006	11/2/2006	11/1/2006	11/6/2006	11/8/2006
34704	cis-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5			< 0.06	< 0.06	
38454	Dicrotophos, water, filtered, recoverable, micrograms per liter				< 0.08	< 0.08	
38775	Dichlorvos, water, filtered, recoverable, micrograms per liter				< 0.01	< 0.01	
38933	Chlorpyrifos, water, filtered, recoverable, micrograms per liter				< 0.005	< 0.005	
39086	Alkalinity, water, filtered, incremental titration, field, milligrams per liter as calcium carbonate		61		< 0.1	< 0.1	
39175	Vinyl chloride, water, unfiltered, recoverable, micrograms per liter	0.5			< 0.02	< 0.02	
39180	Trichloroethylene, water, unfiltered, recoverable, micrograms per liter	5			< 0.02	< 0.02	
39381	Dieldrin, water, filtered, recoverable, micrograms per liter				< 0.009	< 0.009	
39415	Metolachlor, water, filtered, recoverable, micrograms per liter				< 0.010	< 0.010	
39532	Malathion, water, filtered, recoverable, micrograms per liter				< 0.016	< 0.016	
39572	Diazinon, water, filtered, recoverable, micrograms per liter				< 0.005	< 0.005	
39632	Atrazine, water, filtered, recoverable, micrograms per liter				< 0.007	< 0.007	
39702	Hexachlorobutadiene, water, unfiltered, recoverable, micrograms per liter				< 0.1	< 0.1	
46342	Alachlor, water, filtered, recoverable, micrograms per liter				< 0.005	< 0.005	
49260	Acetochlor, water, filtered, recoverable, micrograms per liter				< 0.006	< 0.006	
49295	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				< 0.09	< 0.09	
49933	C-14, water, filtered, percent modern		17.27	13.56	63.16		
49934	C-14, counting error, water, filtered, percent modern						
49991	Methyl acrylate, water, unfiltered, recoverable, micrograms per liter				< 0.4	< 0.4	
49999	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter				< 0.1	< 0.1	
50000	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter				< 0.1	< 0.1	
50002	Bromoethane, water, unfiltered, recoverable, micrograms per liter				< 0.1	< 0.1	
50004	tert-Butyl ethyl ether, water, unfiltered, recoverable, micrograms per liter				< 0.04	< 0.04	
50005	Methyl tert-pentyl ether, water, unfiltered, recoverable, micrograms per liter				< 0.04	< 0.04	
50305	Caffeine, water, filtered, recoverable, micrograms per liter				< 0.04	< 0.04	
50359	Metalaxyl, water, filtered, recoverable, micrograms per liter						
61209	Perchlorate, water, unfiltered, recoverable, micrograms per liter	6					
61585	Cyfluthrin, water, filtered, recoverable, micrograms per liter				< 0.053	< 0.053	
61586	Cypermethrin, water, filtered, recoverable, micrograms per liter				< 0.046	< 0.046	
61591	Fenamiphos, water, filtered, recoverable, micrograms per liter				< 0.03	< 0.03	
61593	Iprodione, water, filtered, recoverable, micrograms per liter				< 0.026	< 0.026	
61594	Isofenphos, water, filtered, recoverable, micrograms per liter				< 0.011	< 0.011	
61596	Metalaxyl, water, filtered, recoverable, micrograms per liter				< 0.007	< 0.007	
61598	Methidathion, water, filtered, recoverable, micrograms per liter				< 0.009	< 0.009	
61599	Myclobutanil, water, filtered, recoverable, micrograms per liter				< 0.033	< 0.033	
61601	Phosmet, water, filtered, recoverable, micrograms per liter				< 0.008	< 0.008	
61610	Tribuphos, water, filtered, recoverable, micrograms per liter				< 0.035	< 0.035	
61618	2-Chloro-2,6-diethylacetamide, water, filtered, recoverable, micrograms per liter				< 0.006	< 0.006	
61620	2-Ethyl-6-methoxyline, water, filtered, recoverable, micrograms per liter				< 0.01	< 0.01	
61625	3,4-Dichloraniline, water, filtered, recoverable, micrograms per liter				< 0.004	< 0.004	
61633	4-Chloro-2-methylphenol, water, filtered, recoverable, micrograms per liter				< 0.005	< 0.005	
61635	Azinphos-methyl oxygen analog, water, filtered, recoverable, micrograms per liter				< 0.04	< 0.04	
61636	Chlorthi/fos oxygen analog, water, filtered, recoverable, micrograms per liter				< 0.06	< 0.06	
61644	Ethion monoxon, water, filtered, recoverable, micrograms per liter				< 0.02	< 0.02	
61645	Fenamiphos sulfone, water, filtered, recoverable, micrograms per liter				< 0.053	< 0.053	
61646	Fenamiphos sulfoxide, water, filtered, recoverable, micrograms per liter				< 0.04	< 0.04	
61652	Mataxon, water, filtered, recoverable, micrograms per liter				< 0.039	< 0.039	
61664	Methyl paraoxon, water, filtered, recoverable, micrograms per liter				< 0.02	< 0.02	
61666	Phorate oxygen analog, water, filtered, recoverable, micrograms per liter				< 0.03	< 0.03	
61668	Phosmet oxygen analog, water, filtered, recoverable, micrograms per liter				< 0.05	< 0.05	
61674	Terbutos oxygen analog sulfone, water, filtered, recoverable, micrograms per liter				< 0.04	< 0.04	
61705	Diethoxyoctylphenol, water, filtered, recoverable, micrograms per liter						
61706	Monethoxyoctylphenol, water, filtered, recoverable, micrograms per liter						
62005	Cotinine, water, filtered, recoverable, micrograms per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
November 2006**

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
	Sampling date		11/8/2006	11/2/2006	11/1/2006	11/6/2006	11/8/2006
62054	1-Methylnaphthalene, water, filtered, recoverable, micrograms per liter						
62055	2,6-Dimethylnaphthalene, water, filtered, recoverable, micrograms per liter						
62056	2-Methylnaphthalene, water, filtered, recoverable, micrograms per liter						
62057	3-beta-Coprostanol, water, filtered, recoverable, micrograms per liter						
62058	3-Methyl-1-H-indole, water, filtered, recoverable, micrograms per liter						
62059	3-tert-Butyl-4-hydroxyanisole, water, filtered, recoverable, micrograms per liter						
62060	4-Cumylophenol, water, filtered, recoverable, micrograms per liter						
62061	4-Octylophenol, water, filtered, recoverable, micrograms per liter						
62062	4-tert-Octylphenol, water, filtered, recoverable, micrograms per liter						
62063	5-Methyl-1-H-benzotriazole, water, filtered, recoverable, micrograms per liter						
62064	Acetophenone, water, filtered, recoverable, micrograms per liter						
62065	/Acetyl hexamethyl tetrahydro naphthalene, water, filtered, recoverable, micrograms per liter						
62066	9,10-Anthraquinone, water, filtered, recoverable, micrograms per liter						
62067	Benzophenone, water, filtered, recoverable, micrograms per liter						
62068	Beta-Sitosterol, water, filtered, recoverable, micrograms per liter						
62070	Camphor, water, filtered, recoverable, micrograms per liter						
62071	Carbazole, water, filtered, recoverable, micrograms per liter						
62072	Cholesterol, water, filtered, recoverable, micrograms per liter						
62073	D-Limonene, water, filtered, recoverable, micrograms per liter						
62075	Hexahydrohexamethyl cyclopentabenzopyran, water, filtered, recoverable, micrograms per liter						
62076	Indole, water, filtered, recoverable, micrograms per liter						
62077	Isoborneol, water, filtered, recoverable, micrograms per liter						
62078	Isopropylbenzene, water, filtered, recoverable, micrograms per liter						
62079	Isouquinoline, water, filtered, recoverable, micrograms per liter						
62080	Menthol, water, filtered, recoverable, micrograms per liter						
62081	Methyl salicylate, water, filtered, recoverable, micrograms per liter						
62082	DEET, water, filtered, recoverable, micrograms per liter						
62083	Diethoxynonylphenol, water, filtered, recoverable, micrograms per liter						
62084	p-Cresol, water, filtered, recoverable, micrograms per liter						
62085	4-Nonylphenol, water, filtered, recoverable, micrograms per liter						
62086	beta-Stigmasterol, water, filtered, recoverable, micrograms per liter						
62087	Tris(2-chloroethyl) phosphate, water, filtered, recoverable, micrograms per liter						
62088	Tris(dichloroisopropyl) phosphate, water, filtered, recoverable, micrograms per liter						
62089	Tributyl phosphate, water, filtered, recoverable, micrograms per liter						
62090	Triclosan, water, filtered, recoverable, micrograms per liter						
62091	Triethyl citrate, water, filtered, recoverable, micrograms per liter						
62092	Triphenyl phosphate, water, filtered, recoverable, micrograms per liter						
62093	Tris(2-butoxyethyl) phosphate, water, filtered, recoverable, micrograms per liter						
62166	Fipronil, water, filtered, recoverable, micrograms per liter						
62167	Fipronil sulfide, water, filtered, recoverable, micrograms per liter						
62168	Fipronil sulfone, water, filtered, recoverable, micrograms per liter						
62169	Desulfuriflpronil amide, water, filtered, recoverable, micrograms per liter						
62170	Desulfuriflpronil, water, filtered, recoverable, micrograms per liter						
62854	Total nitrogen, (NH ₃ -NO ₂ +NO ₃ +Organic), filtered, milligrams per liter	6					
63790	Perclorate, water, filtered, recoverable, milligrams per liter as NH ₄	45 (q)					
70300	Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter	1500	360	473	416	493	433
70301	Residue, water, filtered, sum of constituents, milligrams per liter		356 E	446 E	404 E	477 E	433
70303	Residue, water, filtered, tons per acre-foot						
71846	Ammonia, water, filtered, milligrams per liter as NH ₄		0.04	0.05	0.06	0.05	
71851	Nitrate, water, filtered, milligrams per liter				0.184 E	0.174 E	11.5
71856	Nitrite, water, filtered, milligrams per liter				0.032	0.038	0.025
71865	Iodide, water, filtered, milligrams per liter				0.517	0.390	0.025
71870	Bromide, water, filtered, milligrams per liter				0.31	0.42	0.28
7219	Depth to water level, feet below land surface		46.61	60.97	70.00	73.36	83.74

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)**
November 2006

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
	Sampling date		11/8/2006	11/2/2006	11/1/2006	11/6/2006	11/8/2006
73547	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, micrograms per liter				<0.6	<0.6	
73570	Ethyl methacrylate, water, unfiltered, recoverable, micrograms per liter				<0.1	<0.1	
75985	Tritium 2-sigma combined uncertainty, water, unfiltered, picocuries per liter		0.58	0.58	0.58	0.58	0.70
76002	Rn-222, 2-sigma combined uncertainty, water, unfiltered, picocuries per liter				0.10	<0.06	
77041	Carbon disulfide, water, unfiltered, micrograms per liter				<0.02	<0.02	
77093	cis-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter	6			<0.4	<0.4	
77103	n-Butyl methyl ketone, water, unfiltered, recoverable, micrograms per liter	100			<0.04	<0.04	
77128	Styrene, water, unfiltered, recoverable, micrograms per liter				<0.04	<0.04	
77135	o-Xylene, water, unfiltered, recoverable, micrograms per liter				<0.04	<0.04	
77168	1,1-Dichloropropane, water, unfiltered, recoverable, micrograms per liter				<0.04	<0.04	
77170	2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter				<0.06	<0.06	
77173	1,3-Dichloropropane, water, unfiltered, recoverable, micrograms per liter				<0.1	<0.1	
77220	2-Ethylbutene, water, unfiltered, recoverable, micrograms per liter				<0.04	<0.04	
77221	1,2,3-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter				<0.1	<0.1	
77222	1,2,4-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter				<0.04	<0.04	
77223	Isopropylbenzene, water, unfiltered, recoverable, micrograms per liter				<0.04	<0.04	
77224	n-Propylbenzene, water, unfiltered, recoverable, micrograms per liter				<0.04	<0.04	
77226	1,3,5-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter				<0.04	<0.04	
77225	2-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter				<0.04	<0.04	
77227	4-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter				<0.04	<0.04	
77297	Bromochloromethane, water, unfiltered, recoverable, micrograms per liter				<0.06	<0.06	
77342	n-Butylbenzene, water, unfiltered, recoverable, micrograms per liter				<0.1	<0.1	
77350	sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter				<0.04	<0.04	
77353	tert-Butylbenzene, water, unfiltered, recoverable, micrograms per liter				<0.08	<0.08	
77356	4-Isopropyltoluene, water, unfiltered, recoverable, micrograms per liter				<0.08	<0.08	
77424	Iodomethane, water, unfiltered, recoverable, micrograms per liter				<0.40	<0.40	
77443	1,2,3-Trichloropropane, water, unfiltered, recoverable, micrograms per liter				<0.12	<0.12	
77562	1,1,1,2-tetrachloroethane, water, unfiltered, recoverable, micrograms per liter				<0.04	<0.04	
77613	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter				<0.1	<0.1	
77651	1,2-Dibromoethane, water, unfiltered, recoverable, micrograms per liter	0.05			<0.04	<0.04	
77652	1,1,2-Trichloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, micrograms per liter				<0.04	<0.04	
78032	Methyl tert-butyl ether, water, unfiltered, recoverable, micrograms per liter				<0.1	<0.1	
78109	3-Chloropropane, water, unfiltered, recoverable, micrograms per liter				<0.08	<0.08	
78133	Isobutyl methyl ketone, water, unfiltered, recoverable, micrograms per liter				<0.2	<0.2	
81552	Acetone, water, unfiltered, recoverable, micrograms per liter				<6	<6	
81555	Bromobenzene, water, unfiltered, recoverable, micrograms per liter				<0.02	<0.02	
81576	Diethyl ether, water, unfiltered, recoverable, micrograms per liter				<0.1	<0.1	
81577	Dilisopropyl ether, water, unfiltered, recoverable, micrograms per liter				<0.06	<0.06	
81593	Methyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter				<0.4	<0.4	
81595	Ethy methyl ketone, water, unfiltered, recoverable, micrograms per liter				<1.6	<1.6	
81597	Methyl methacrylate, water, unfiltered, recoverable, micrograms per liter				<0.2	<0.2	
81607	Tetrahydrofuran, water, unfiltered, recoverable, micrograms per liter				<1	<1	
82081	C-13/C-12 ratio, water, unfiltered, per mil				<16.37	<16.37	
82082	Deuterium/Protium ratio, water, unfiltered, per mil		-53.60	-52.80	-52.90	-46.00	-44.10
82085	Oxygen-18/Oxygen-16 ratio, water, unfiltered, per mil		-8.28	-8.15	-8.02	-6.93	-6.81
82303	Rn-222, water, unfiltered, picocuries per liter						
82346	Ethion, water, filtered, recoverable, micrograms per liter						
82625	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, micrograms per liter				<0.5	<0.5	
82630	Meribusin, water, filtered, recoverable, micrograms per liter				<0.012	<0.012	
82661	2,6-Diethylbenzene, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				<0.006	<0.006	
82662	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				<0.009	<0.009	
82664	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				<0.006	<0.006	
82667	[Methyl] parathion, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				<0.02	<0.02	<0.008

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)**
November 2006

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
	Sampling date		11/8/2006	11/2/2006	11/1/2006	11/6/2006	11/8/2006
82670	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				< 0.02	< 0.02	
82673	Benzfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				< 0.01	< 0.01	< 0.01
82675	Terbutios, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				< 0.01	< 0.01	< 0.01
82676	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				< 0.004	< 0.004	< 0.004
82680	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				< 0.06	< 0.06	
82682	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				< 0.003	< 0.003	
82683	Pandimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				< 0.02	< 0.02	
82686	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				< 0.08	< 0.08	
82687	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				< 0.01	< 0.01	
83795	m-Xylene plus p-xylene, water, unfiltered, recoverable, micrograms per liter				< 0.08	< 0.08	
90095	Specific conductance, water, unfiltered, laboratory, microsiemens per centimeter at 25 degrees Celsius		647	820	727	810	674
90851	Trihalomethanes, water, unfiltered, calcd, micrograms per liter						M
99583	Bisphenol A-d3, surrogate, Schedule/lab code 2033/8033, water, filtered, Percent recovery						
99584	Caffeine-13C, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99585	Decafluorobiphenyl, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99586	Fluoranthene-d10, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99832	1,2-Dichloroethane-d4, surrogate, Schedule 2090, water, unfiltered, percent recovery						
99833	Toluene-d8, surrogate, Schedule 2090, water, unfiltered, percent recovery						
99834	1-Bromo-4-fluorobenzene, surrogate, VOC schedules, water, unfiltered, percent recovery						
99994	Diazinon-d10, surrogate, Schedule 2003, water, filtered, percent recovery						
99995	alpha-HCH-d6, surrogate, Schedule 2003, water, filtered, percent recovery						
			93.5	93.5	93.5	99.1	

Notes: U.S. EPA STORET numbers for MCLs correspond to the same as the USGS NWIS data parameter number except as follows:

- (a) MCL shown for U.S. EPA STORET No. 620.
- (b) MCL shown for U.S. EPA STORET No. 951.
- (c) MCL shown for U.S. EPA STORET No. 1002.
- (d) MCL shown for U.S. EPA STORET No. 1007.
- (e) MCL shown for U.S. EPA STORET No. 1012.
- (f) MCL shown for U.S. EPA STORET No. 1027.
- (g) MCL shown for U.S. EPA STORET No. 1034.
- (h) MCL shown for U.S. EPA STORET No. 1042.
- (i) MCL shown for U.S. EPA STORET No. 1059.
- (j) MCL shown for U.S. EPA STORET No. 1067.
- (k) MCL shown for U.S. EPA STORET No. 1077.
- (l) MCL shown for U.S. EPA STORET No. 1092.
- (m) MCL shown for U.S. EPA STORET No. 1097.
- (n) MCL shown for U.S. EPA STORET No. 1105.
- (o) MCL shown for U.S. EPA STORET No. 1147.
- (p) MCL shown for U.S. EPA STORET No. 34247.
- (q) MCL shown for U.S. EPA STORET No. 71850.

Code=Data parameter number used in USGS National Water Information System (NWIS).

E=Estimated.

M=Presence verified but not quantified.

MCL=Maximum Contaminant Level reported by California DHS (May 25, 2007 Database) for U.S. EPA STORET number.

V=Biased results from contamination.

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
September 2007**

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
		9/27/2007	9/20/2007	9/25/2007	9/25/2007	9/25/2007	9/20/2007
3	Sampling date						
10	Sampling depth, feet						
10	Temperature, water, degrees Celsius		25.5	21.0	21.1	21.1	21.0
28	Agency analyzing sample, code		80020	80020	80020	80020	80020
59	Flow rate, instantaneous, gallons per minute						
95	Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius						
191	Hydrogen ion, water, unfiltered, calculated, milligrams per liter		653	789	786	686	685
300	Dissolved oxygen, water, unfiltered, milligrams per liter		M	M	M	0.00001	0.00001
400	pH, water, unfiltered, field, standard units		< 0.2	< 0.2	0.1	0.1	5.7
403	pH, water, unfiltered, laboratory, standard units		9.5	9.4	9.1	8.3	7.9
602	Total nitrogen, water, filtered, milligrams per liter		9.6	9.4	9.2	8.3	7.9
607	Organic nitrogen, water, filtered, milligrams per liter						
608	Ammonia, water, filtered, milligrams per liter as nitrogen		0.026	0.021	0.051	0.031	< 0.020
613	Nitrite, water, filtered, milligrams per liter as nitrogen	1 (a)	< 0.002	< 0.002	< 0.002	< 0.002	0.002
618	Nitrate, water, filtered, milligrams per liter as nitrogen						2.12
623	Ammonia plus organic nitrogen, water, filtered, milligrams per liter as nitrogen						
631	Nitrate plus nitrite, water, filtered, milligrams per liter as nitrogen		< 0.06	< 0.06	< 0.06	< 0.06	
660	Orthophosphate, water, filtered, milligrams per liter		0.066	1.41	6.03	1.02	3.07
666	Phosphorus, water, filtered, milligrams per liter as phosphorus						
671	Orthophosphate, water, filtered, milligrams per liter as phosphorus		0.021	0.459	1.97	0.332	1.00
900	Hardness, water, milligrams per liter as calcium carbonate		10	8	10	89	130
904	Noncaustic hardness, water filtered field, milligrams per liter as calcium carbonate						
915	Calcium, water, filtered, milligrams per liter		3.87	2.87	3.64	29.5	38.0
925	Magnesium, water, filtered, milligrams per liter		0.029	0.078	0.337	3.56	9.29
930	Sodium, water, filtered, milligrams per liter		132	151	169	116	90.7
931	Sodium adsorption ratio, water, number		18	24	23	5.3	3.4
932	Sodium fraction of cations, water, percent in equivalents of major cations		97	97	97	73	59
935	Potassium, water, filtered, milligrams per liter		0.33	0.76	1.39	2.32	2.58
940	Chloride, water, filtered, milligrams per liter		600	133	131	121	80.8
945	Sulfate, water, filtered, milligrams per liter		600	33.3	95.2	101	79.9
950	Fluoride, water, filtered, milligrams per liter	2 (b)	4.42	3.44	0.92	0.28	0.31
955	Silica, water, filtered, milligrams per liter						
1000	Arsenic, water, filtered, micrograms per liter		18.2	17.6	14.8	17.7	24.3
1005	Barium, water, filtered, micrograms per liter		31.3	18.7	13.1	4.5	4.0
1010	Beryllium, micrograms per liter		1000 (d)	4	3	3	22
1020	Boron, water, filtered, micrograms per liter	4 (e)	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
1025	Cadmium, micrograms per liter	5 (f)	0.35	0.49	0.31	0.03 E	0.02 E
1030	Chromium, micrograms per liter	50 (g)	0.09 E	0.31	0.2	0.21	1.10
1035	Cobalt, micrograms per liter		< 0.04	< 0.04	0.04 E	0.03 E	0.08
1040	Copper, micrograms per liter	1000 (h)	< 0.4	0.22 E	0.70	0.87	1.70
1046	Iron, water, filtered, micrograms per liter	300	3 E	< 6	10	4 E	< 6
1049	Lead, micrograms per liter		< 0.12	< 0.12	0.08 E	< 0.12	< 0.12
1056	Manganese, water, filtered, micrograms per liter	50	0.4	0.9	2.8	12.4	0.7
1057	Thallium, micrograms per liter	2 (i)	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
1060	Molybdenum, micrograms per liter		208	251	208	11.5	6.8
1065	Nickel, micrograms per liter	100 (j)	0.07	0.19	0.46	0.26	0.73
1075	Silver, micrograms per liter	100 (k)	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1080	Stron튬, water, filtered, micrograms per liter		28.1	17.3	20.3	257	201
1085	Vanadium, micrograms per liter		78.6	32.2	7.3	1.1	21.5
1090	Zinc, micrograms per liter	5000 (l)	< 0.6	0.70	0.70	1.0	2.8
1095	Antimony, micrograms per liter	6 (m)	0.06 E	0.11	0.17	0.04 E	0.07
1106	Aluminum, water, filtered, micrograms per liter	1000 (n)	43.1	100	139	27.0	3.3
1130	Lithium, water, filtered, micrograms per liter		2.0	4.0	2.7	6.8	5.1
1145	Selenium, micrograms per liter	50 (o)	< 0.08	0.08	0.09	0.05 E	7.5
4022	Terbutylazine, water, filtered, recoverable, micrograms per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
September 2007**

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
	Sampling date		9/27/2007	9/20/2007	9/25/2007	9/25/2007	9/20/2007
4025	Hexazirnone, water, filtered, recoverable, micrograms per liter						
4029	Bromacil, water, filtered, recoverable, micrograms per liter						
4035	Simazine, water, filtered, recoverable, micrograms per liter						
4036	Prometryn, water, filtered, recoverable, micrograms per liter						
4037	Prometon, water, filtered, recoverable, micrograms per liter						
4040	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, micrograms per liter						
4095	Fenofos, water, filtered, recoverable, micrograms per liter						
7000	Tritium, water, unfiltered, picocuries per liter	0.6	0.3	-0.6	0.3	8.3	
22703	Uranium, natural, micrograms per liter	0.06	0.13	0.43	2.17	2.16	
29801	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, laboratory, milligrams per liter as calcium carbonate	46	58	92	132	158	
30217	Dibromomethane, water, unfiltered, recoverable, micrograms per liter	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
32101	Bromodichloromethane, water, unfiltered, recoverable, micrograms per liter	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
32102	Tetrachloromethane, water, unfiltered, recoverable, micrograms per liter	0.5	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
32103	1,2-Dichloroethane, water, unfiltered, recoverable, micrograms per liter	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
32104	Trifluoromethane, water, unfiltered, recoverable, micrograms per liter	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
32105	Dibromo-chloromethane, water, unfiltered, recoverable, micrograms per liter	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
32106	Trichloromethane, water, unfiltered, recoverable, micrograms per liter	< 0.02	< 0.04	< 0.04	< 0.04	< 0.04	0.04 V
34010	Toluene, water, unfiltered, recoverable, micrograms per liter	150	< 0.02 V	0.02 V	0.04 E	< 0.02	< 0.02
34030	Benzene, water, unfiltered, recoverable, micrograms per liter	1	< 0.02	0.03 E	0.02 E	< 0.02	< 0.02
34215	Acrylonitrile, water, unfiltered, recoverable, micrograms per liter	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
34221	Anthracene, water, filtered, recoverable, micrograms per liter						
34248	Benzaldehyde, water, filtered, recoverable, micrograms per liter	0.2 (p)					
34288	Trichloromethane, water, filtered, recoverable, micrograms per liter						
34301	Chlorobenzene, water, unfiltered, recoverable, micrograms per liter	70	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
34311	Chloroethane, water, unfiltered, recoverable, micrograms per liter	< 0.1	< 0.1	0.1 E	< 0.1	< 0.1	< 0.1
34371	Ethylbenzene, water, unfiltered, recoverable, micrograms per liter	300	< 0.04	< 0.02	< 0.02	< 0.02	< 0.02
34377	Fluoranthene, water, unfiltered, recoverable, micrograms per liter						
34396	Hexachloroethane, water, unfiltered, recoverable, micrograms per liter	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
34409	Isophorone, water, filtered, recoverable, micrograms per liter						
34413	Bromomethane, water, unfiltered, recoverable, micrograms per liter	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
34418	Chloromethane, water, unfiltered, recoverable, micrograms per liter	< 0.1	< 0.1	0.6 E	< 0.1	< 0.1	< 0.1
34423	Dichloromethane, water, unfiltered, recoverable, micrograms per liter	5	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
34443	Naphthalene, water, filtered, recoverable, micrograms per liter						
34462	Phenanthrene, water, filtered, recoverable, micrograms per liter						
34466	Phenol, water, filtered, recoverable, micrograms per liter						
34470	Pyrene, water, filtered, recoverable, micrograms per liter						
34475	Tetrachloroethene, water, unfiltered, recoverable, micrograms per liter	5	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
34476	Tetrachloroethene, water, unfiltered, recoverable, micrograms per liter	150	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
34488	Trichlorofluoromethane, water, unfiltered, recoverable, micrograms per liter	5	< 0.04	< 0.06	< 0.06	< 0.06	< 0.06
34496	1,1-Dichloroethane, water, unfiltered, recoverable, micrograms per liter	6	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
34501	1,1,1-Trichloroethane, water, unfiltered, recoverable, micrograms per liter	200	< 0.02	< 0.04	< 0.04	< 0.04	< 0.04
34511	1,1,2-Trichloroethane, water, unfiltered, recoverable, micrograms per liter	5	< 0.06	< 0.04	< 0.04	< 0.04	< 0.04
34516	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter	1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
34536	1,2-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter	600	< 0.02	< 0.04	< 0.04	< 0.04	< 0.04
34541	1,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter	5	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
34546	trans-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter	10	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
34551	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter	5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
34566	1,3-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
34571	1,4-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter	5	< 0.02	< 0.04	< 0.04	< 0.04	< 0.04
34572	1,4-Dichloroethene, water, unfiltered, recoverable, micrograms per liter						
34668	Dichlorodifluoromethane, water, unfiltered, recoverable, micrograms per liter						
34696	Naphthalene, water, unfiltered, recoverable, micrograms per liter						
34699	trans-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
September 2007**

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
	Sampling date		9/27/2007	9/20/2007	9/25/2007	9/20/2007	9/20/2007
34704	cis-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5	< 0.10	< 0.06	< 0.06	< 0.06	< 0.06
38454	Dicrotophos, water, filtered, recoverable, micrograms per liter						
38775	Dichlorvos, water, filtered, recoverable, micrograms per liter						
38933	Chlorpyrifos, water, filtered, recoverable, micrograms per liter						
39086	Alkalinity, water, filtered, incremental titration, field, milligrams per liter as calcium carbonate						
39175	Vinyl chloride, water, unfiltered, recoverable, micrograms per liter	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
39180	Trichloroethylene, water, unfiltered, recoverable, micrograms per liter	5	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
39381	Dieldrin, water, filtered, recoverable, micrograms per liter						
39415	Metolachlor, water, filtered, recoverable, micrograms per liter						
39532	Malathion, water, filtered, recoverable, micrograms per liter						
39572	Diazinon, water, filtered, recoverable, micrograms per liter						
39632	Atrazine, water, filtered, recoverable, micrograms per liter						
39702	Hexachlorobutadiene, water, unfiltered, recoverable, micrograms per liter						
46342	Alachlor, water, filtered, recoverable, micrograms per liter						
49260	Acetochlor, water, filtered, recoverable, micrograms per liter						
49295	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
49933	C-14, water, filtered, percent modern						
49934	C-14, counting error, water, filtered, percent modern						
49991	Methyl acrylate, water, unfiltered, recoverable, micrograms per liter						
49999	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter						
50000	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter						
50002	Bromoethane, water, unfiltered, recoverable, micrograms per liter						
50004	tert-Butyl ethyl ether, water, unfiltered, recoverable, micrograms per liter						
50005	Methyl tert-pentyl ether, water, unfiltered, recoverable, micrograms per liter						
50305	Caffeine, water, filtered, recoverable, micrograms per liter						
50359	Metabaxyl, water, filtered, recoverable, micrograms per liter						
61209	Perchlorate, water, unfiltered, recoverable, micrograms per liter						
61585	Cyfluthrin, water, filtered, recoverable, micrograms per liter						
61586	Cypermethrin, water, filtered, recoverable, micrograms per liter						
61591	Fenamiphos, water, filtered, recoverable, micrograms per liter						
61593	Iprodione, water, filtered, recoverable, micrograms per liter						
61594	Isofenphos, water, filtered, recoverable, micrograms per liter						
61596	Metalaxyl, water, filtered, recoverable, micrograms per liter						
61598	Methidathion, water, filtered, recoverable, micrograms per liter						
61599	Myclobutanil, water, filtered, recoverable, micrograms per liter						
61601	Phosmet, water, filtered, recoverable, micrograms per liter						
61610	Tribuphos, water, filtered, recoverable, micrograms per liter						
61618	2-Chloro-2,6-diethylacetamide, water, filtered, recoverable, micrograms per liter	6	< 0.5	< 0.5	< 1	< 1	< 0.5
61620	2-Ethyl-6-methoxyline, water, filtered, recoverable, micrograms per liter						
61625	3,4-Dichloraniline, water, filtered, recoverable, micrograms per liter						
61633	4-Chloro-2-methylphenol, water, filtered, recoverable, micrograms per liter						
61635	Azinphos-methyl oxygen analog, water, filtered, recoverable, micrograms per liter						
61636	Chlordipyofos oxygen analog, water, filtered, recoverable, micrograms per liter						
61644	Ethion monoxon, water, filtered, recoverable, micrograms per liter						
61645	Fenamiphos sulfone, water, filtered, recoverable, micrograms per liter						
61646	Fenamiphos sulfoxide, water, filtered, recoverable, micrograms per liter						
61652	Mataxon, water, filtered, recoverable, micrograms per liter						
61664	Methyl paraoxon, water, filtered, recoverable, micrograms per liter						
61666	Phorate oxygen analog, water, filtered, recoverable, micrograms per liter						
61668	Phosmet oxygen analog, water, filtered, recoverable, micrograms per liter						
61674	Terbufos oxygen analog sulfone, water, filtered, recoverable, micrograms per liter						
61705	Diethoxycarbonylphenol, water, filtered, recoverable, micrograms per liter						
61706	Monooxyoctyloxyphenol, water, filtered, recoverable, micrograms per liter						
62005	Cotinine, water, filtered, recoverable, micrograms per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
September 2007**

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
	Sampling date		9/27/2007	9/20/2007	9/25/2007	9/25/2007	9/20/2007
62054	1-Methylnaphthalene, water, filtered, recoverable, micrograms per liter						
62055	2,6-Dimethylnaphthalene, water, filtered, recoverable, micrograms per liter						
62056	2-Methylnaphthalene, water, filtered, recoverable, micrograms per liter						
62057	3-beta-Coprostanol, water, filtered, recoverable, micrograms per liter						
62058	3-Methyl-1-H-indole, water, filtered, recoverable, micrograms per liter						
62059	3-tert-Butyl-4-hydroxyanisole, water, filtered, recoverable, micrograms per liter						
62060	4-Cumylophenol, water, filtered, recoverable, micrograms per liter						
62061	4-Octylophenol, water, filtered, recoverable, micrograms per liter						
62062	4-tert-Octylphenol, water, filtered, recoverable, micrograms per liter						
62063	5-Methyl-1-H-benzotriazole, water, filtered, recoverable, micrograms per liter						
62064	Acetophenone, water, filtered, recoverable, micrograms per liter						
62065	/Acetyl hexamethyl tetrahydro naphthalene, water, filtered, recoverable, micrograms per liter						
62066	9,10-Anthraquinone, water, filtered, recoverable, micrograms per liter						
62067	Benzophenone, water, filtered, recoverable, micrograms per liter						
62068	Beta-Sitosterol, water, filtered, recoverable, micrograms per liter						
62070	Camphor, water, filtered, recoverable, micrograms per liter						
62071	Carbazole, water, filtered, recoverable, micrograms per liter						
62072	Cholesterol, water, filtered, recoverable, micrograms per liter						
62073	D-Limonene, water, filtered, recoverable, micrograms per liter						
62075	Hexahydrohexamethyl cyclopentabenzopyran, water, filtered, recoverable, micrograms per liter						
62076	Indole, water, filtered, recoverable, micrograms per liter						
62077	Isoborneol, water, filtered, recoverable, micrograms per liter						
62078	Isopropylbenzene, water, filtered, recoverable, micrograms per liter						
62079	Isouquinoline, water, filtered, recoverable, micrograms per liter						
62080	Menthol, water, filtered, recoverable, micrograms per liter						
62081	Methyl salicylate, water, filtered, recoverable, micrograms per liter						
62082	DEET, water, filtered, recoverable, micrograms per liter						
62083	Diethoxyxonylophenol, water, filtered, recoverable, micrograms per liter						
62084	p-Cresol, water, filtered, recoverable, micrograms per liter						
62085	4-Nonylphenol, water, filtered, recoverable, micrograms per liter						
62086	beta-Stigmasterol, water, filtered, recoverable, micrograms per liter						
62087	Tris(2-chloroethyl) phosphate, water, filtered, recoverable, micrograms per liter						
62088	Tris(dichloroisopropyl) phosphate, water, filtered, recoverable, micrograms per liter						
62089	Tributyl phosphate, water, filtered, recoverable, micrograms per liter						
62090	Triclosan, water, filtered, recoverable, micrograms per liter						
62091	Triethyl citrate, water, filtered, recoverable, micrograms per liter						
62092	Triphenyl phosphate, water, filtered, recoverable, micrograms per liter						
62093	Tris(2-butoxyethyl) phosphate, water, filtered, recoverable, micrograms per liter						
62166	Fipronil, water, filtered, recoverable, micrograms per liter						
62167	Fipronil sulfide, water, filtered, recoverable, micrograms per liter						
62168	Fipronil sulfone, water, filtered, recoverable, micrograms per liter						
62169	Desulfurylfipronil amide, water, filtered, recoverable, micrograms per liter						
62170	Desulfurylfipronil, water, filtered, recoverable, micrograms per liter						
62854	Total nitrogen, (NH ₃ +NO ₂ +NO ₃ +Organic), filtered, milligrams per liter as NH ₄	6	0.04 E	0.06	0.11	0.04 E	2.21
63790	Perclorate, water, filtered, recoverable, milligrams per liter	1500	358	460	471	397	0.23
70300	Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter	354 E	439 E	475 E	410 E	429	0.008
70301	Residue, water, filtered, sum of constituents, milligrams per liter						
70303	Residue, water, filtered, tons per acre-foot						
71846	Ammonia, water, filtered, milligrams per liter as NH ₄	45 (q)	0.03	0.03	0.07	0.04	9.37
71851	Nitrate, water, filtered, milligrams per liter						
71856	Nitrite, water, filtered, milligrams per liter						
71865	Iodide, water, filtered, milligrams per liter						
71870	Bromide, water, filtered, milligrams per liter						
7219	Depth to water level, feet below land surface						

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S12W-19A1-6)
September 2007**

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
		9/27/2007	9/20/2007	9/25/2007	9/25/2007	9/20/2007	9/20/2007
73547	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, micrograms per liter		< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
73570	Ethyl methacrylate, water, unfiltered, recoverable, micrograms per liter		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
75985	Tritium 2-sigma combined uncertainty, water, unfiltered, picocuries per liter		1.0	1.0	1.0	1.0	1.0
76002	Rn-222, 2-sigma combined uncertainty, water, unfiltered, picocuries per liter		20	21	18	19	21
77041	Carbon disulfide, water, unfiltered, micrograms per liter		< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
77093	cis-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter		6	< 0.02	< 0.02	< 0.02	< 0.02
77103	n-Butyl methyl ketone, water, unfiltered, recoverable, micrograms per liter		< 0.6	< 0.4	< 0.4	< 0.4	< 0.4
77128	Styrene, water, unfiltered, recoverable, micrograms per liter	100	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77135	o-Xylene, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77168	1,1-Dichloropropane, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77170	2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter		< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
77173	1,3-Dichloropropane, water, unfiltered, recoverable, micrograms per liter		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
77220	2-Ethylbutene, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77221	1,2,3-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
77222	1,2,4-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.04	0.02 E	0.02 E	0.02 E	0.03 E
77223	Isopropylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77224	n-Propylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77226	1,3,5-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77227	2-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77227	4-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77297	Bromochloromethane, water, unfiltered, recoverable, micrograms per liter		< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
77342	n-Butylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
77350	sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77353	tert-Butylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.06	< 0.08	< 0.08	< 0.08	< 0.08
77356	4-Isopropyltoluene, water, unfiltered, recoverable, micrograms per liter		< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
77424	Iodomethane, water, unfiltered, recoverable, micrograms per liter		< 0.40	< 0.40	< 0.40	< 0.40	< 0.40
77443	1,2,3-Trichloropropane, water, unfiltered, recoverable, micrograms per liter		< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
77562	1,1,1,2-tetrachloroethane, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77613	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
77651	1,2-Dibromoethane, water, unfiltered, recoverable, micrograms per liter	0.05	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77652	1,1,2-Trichloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
78032	Methyl tert-butyl ether, water, unfiltered, recoverable, micrograms per liter		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
78109	3-Chloropropane, water, unfiltered, recoverable, micrograms per liter		< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
78133	Isobutyl methyl ketone, water, unfiltered, recoverable, micrograms per liter		< 0.4	< 0.2	< 0.2	< 0.2	< 0.2
81552	Acetone, water, unfiltered, recoverable, micrograms per liter		< 4	< 6	< 6	< 6	< 6
81555	Bromobenzene, water, unfiltered, recoverable, micrograms per liter		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
81576	Diethyl ether, water, unfiltered, recoverable, micrograms per liter		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
81577	Dilisopropyl ether, water, unfiltered, recoverable, micrograms per liter		< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
81593	Methyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter		< 0.2	< 0.4	< 0.4	< 0.4	< 0.4
81595	Ethy methyl ketone, water, unfiltered, recoverable, micrograms per liter		< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
81597	Methyl methacrylate, water, unfiltered, recoverable, micrograms per liter		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
81607	Tetrahydrofuran, water, unfiltered, recoverable, micrograms per liter		< 1	< 1	< 1	< 1	< 1
82081	C-13/C-12 ratio, water, unfiltered, per mil		-19.11	-14.90	-14.87	-14.87	-14.87
82082	Deuterium/Protium ratio, water, unfiltered, per mil		-53.70	-53.00	-52.90	-45.20	-42.30
82085	Oxygen-18/Oxygen-16 ratio, water, unfiltered, per mil		-8.27	-8.18	-7.93	-6.91	-6.65
82303	Rn-222, water, unfiltered, picocuries per liter		320	270	200	210	280
82346	Ethion, water, filtered, recoverable, micrograms per liter						
82625	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
82630	Meribusin, water, filtered, recoverable, micrograms per liter						
82661	6-Diethylamiline, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82662	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82664	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82667	[Methyl] parathion, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
September 2007**

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
	Sampling date		9/27/2007	9/20/2007	9/25/2007	9/25/2007	9/20/2007
82670	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82673	Benzfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82675	Terbutios, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82676	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82680	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82682	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82683	Pandimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82686	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82687	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
83795	m-Xylene plus p-xylene, water, unfiltered, recoverable, micrograms per liter		< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
90095	Specific conductance, water, unfiltered, laboratory, microsiemens per centimeter at 25 degrees Celsius		667	794	805	694	686
90851	Trihalomethanes, water, unfiltered, calcd, micrograms per liter						M
99583	Bisphenol A-d3, surrogate, Schedule/lab code 2033/8033, water, filtered, Percent recovery						
99584	Caffeine-13C, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99585	Decafluorobiphenyl, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99586	Fluoranthene-d10, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99832	1,2-Dichloroethane-d4, surrogate, Schedule 2090, water, unfiltered, percent recovery		127	130	134	133	131
99833	Toluene-d8, surrogate, Schedule 2090, water, unfiltered, percent recovery		93.6	95.0	96.8	97.6	93.6
99834	1-Bromo-4-fluorobenzene, surrogate, VOC schedules, water, unfiltered, percent recovery		71.0	72.1	73.4	73.9	73.8
99994	Diazinon-d10, surrogate, Schedule 2003, water, filtered, percent recovery						
99995	alpha-HCH-d6, surrogate, Schedule 2003, water, filtered, percent recovery						

Notes: U.S. EPA STORET numbers for MCLs correspond to the same as the USGS NWIS data parameter number except as follows:

- (a) MCL shown for U.S. EPA STORET No. 620.
- (b) MCL shown for U.S. EPA STORET No. 951.
- (c) MCL shown for U.S. EPA STORET No. 1002.
- (d) MCL shown for U.S. EPA STORET No. 1007.
- (e) MCL shown for U.S. EPA STORET No. 1012.
- (f) MCL shown for U.S. EPA STORET No. 1027.
- (g) MCL shown for U.S. EPA STORET No. 1034.
- (h) MCL shown for U.S. EPA STORET No. 1042.
- (i) MCL shown for U.S. EPA STORET No. 1059.
- (j) MCL shown for U.S. EPA STORET No. 1067.
- (k) MCL shown for U.S. EPA STORET No. 1077.
- (l) MCL shown for U.S. EPA STORET No. 1092.
- (m) MCL shown for U.S. EPA STORET No. 1097.
- (n) MCL shown for U.S. EPA STORET No. 1105.
- (o) MCL shown for U.S. EPA STORET No. 1147.
- (p) MCL shown for U.S. EPA STORET No. 34247.
- (q) MCL shown for U.S. EPA STORET No. 71850.

Code=Data parameter number used in USGS National Water Information System (NWIS).

E=Estimated.

M=Presence verified but not quantified.

MCL=Maximum Contaminant Level reported by California DHS (May 25, 2007 Database) for U.S. EPA STORET number.

V=Biased results from contamination.

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
April 2008**

Code	Parameter	MCL	Well A1 4/22/2008	Well A2 4/23/2008	Well A3 4/23/2008	Well A4 4/23/2008	Well A5 4/23/2008
3	Sampling date						
10	Sampling depth, feet						
28	Temperature, water, degrees Celsius		22.4	24.9	24.4	22.5	20.1
59	Flow rate, instantaneous, gallons per minute		80020	80020	80020	80020	80020
95	Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius						
191	Hydrogen ion, water, unfiltered, calculated, milligrams per liter						
300	Dissolved oxygen, water, unfiltered, milligrams per liter						
400	pH, water, unfiltered, field, standard units						
403	pH, water, unfiltered, laboratory, standard units						
602	Total nitrogen, water, filtered, milligrams per liter						
607	Organic nitrogen, water, filtered, milligrams per liter						
608	Ammonia, water, filtered, milligrams per liter as nitrogen						
613	Nitrite, water, filtered, milligrams per liter as nitrogen	1 (a)	< 0.002	< 0.002	0.029	0.045	< 0.020
618	Nitrate, water, filtered, milligrams per liter as nitrogen						< 0.002
623	Ammonia plus organic nitrogen, water, filtered, milligrams per liter as nitrogen		< 0.14	< 0.14	0.09 E	< 0.14	0.08 E
631	Nitrate plus nitrite, water, filtered, milligrams per liter as nitrogen		< 0.04	< 0.04	< 0.04	< 0.04	2.41
660	Orthophosphate, water, filtered, milligrams per liter		0.044	0.771	1.78	1.29	0.533
666	Phosphorus, water, filtered, milligrams per liter		< 0.04	0.24	0.56	0.41	0.17
671	Orthophosphate, water, filtered, milligrams per liter as phosphorus		0.014	0.251	0.579	0.420	0.174
900	Hardness, water, milligrams per liter as calcium carbonate			9 E	7	7	100
904	Noncarbon hardness, water filtered field, milligrams per liter as calcium carbonate						160
915	Calcium, water, filtered, milligrams per liter						61
925	Magnesium, water, filtered, milligrams per liter						44.2
930	Sodium, water, filtered, milligrams per liter						33.0
931	Sodium adsorption ratio, water, number		119	144	141	13.1	13.1
932	Sodium fraction of cations, water, percent in equivalents of major cations		18 E	24	23	4.1	61.8
935	Potassium, water, filtered, milligrams per liter		97 E	98	97	67	2.1
940	Chloride, water, filtered, milligrams per liter		0.33	0.72	0.99	2.17	45
945	Sulfate, water, filtered, milligrams per liter		600	140	130	118	45
950	Fluoride, water, filtered, milligrams per liter		600	33.3	86.5	90.5	141
955	Silica, water, filtered, milligrams per liter	2 (b)	4.62	3.39	0.94	0.29	0.39
1000	Arsenic, water, filtered, micrograms per liter						
1005	Barium, water, filtered, micrograms per liter	10 (c)	31.2	19.3	13.1	4.7	1.1
1010	Beryllium, micrograms per liter	1000 (d)	4.7	4.0	2.3	14.9	40.8
1020	Boron, water, filtered, micrograms per liter	4 (e)					
1025	Cadmium, micrograms per liter						
1030	Chromium, micrograms per liter	5 (f)					
1035	Cobalt, micrograms per liter	50 (g)					
1040	Copper, micrograms per liter						
1046	Iron, water, filtered, micrograms per liter	1000 (h)					
1049	Lead, micrograms per liter	300	< 8	9	< 8	5 E	< 8
1056	Manganese, water, filtered, micrograms per liter						
1057	Thallium, micrograms per liter	50	0.4	1.5	1.0	16.4	0.5
1060	Molybdenum, micrograms per liter	2 (i)					
1065	Nickel, micrograms per liter	100 (j)					
1075	Silver, micrograms per liter	100 (k)					
1080	Stron튬, water, filtered, micrograms per liter	27.3	18.1	19.4	299	226	
1085	Vanadium, micrograms per liter						
1090	Zinc, micrograms per liter	5000 (l)					
1095	Antimony, micrograms per liter	6 (m)					
1106	Aluminum, water, filtered, micrograms per liter	1000 (n)	35.6	115	87.8	10.8	1.4 E
1130	Lithium, water, filtered, micrograms per liter	5	5	4	8	6	
1145	Selenium, micrograms per liter	50 (o)					
4022	Terbutylazine, water, filtered, recoverable, micrograms per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
April 2008**

Code	Sampling date	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
			4/22/2008	4/23/2008	4/23/2008	4/23/2008	4/23/2008	4/23/2008
4025	Hexazirone, water, filtered, recoverable, micrograms per liter					< 0.4	< 0.4	
4029	Bromacil, water, filtered, recoverable, micrograms per liter							
4035	Simazine, water, filtered, recoverable, micrograms per liter							
4036	Prometryn, water, filtered, recoverable, micrograms per liter							
4037	Prometon, water, filtered, recoverable, micrograms per liter					< 0.2	< 0.2	
4040	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, micrograms per liter							
4095	Fronofos, water, filtered, recoverable, micrograms per liter							
7000	Tritium, water, unfiltered, picocuries per liter		-0.35	-0.13	0.32	0.26	10.78	
22703	Uranium, natural, micrograms per liter							
29801	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, laboratory, milligrams per liter as calcium carbonate		46	56	68	129	108	
30217	Dibromomethane, water, unfiltered, recoverable, micrograms per liter					< 0.04	< 0.04	
32101	Bromodichloromethane, water, unfiltered, recoverable, micrograms per liter	0.5				< 0.04	< 0.04	
32102	Tetrachloromethane, water, unfiltered, recoverable, micrograms per liter					< 0.08	< 0.08	
32103	1,2-Dichloroethane, water, unfiltered, recoverable, micrograms per liter					< 0.1	< 0.1	
32104	Trifluoromethane, water, unfiltered, recoverable, micrograms per liter					< 0.08	< 0.08	
32105	Dibromo-chloromethane, water, unfiltered, recoverable, micrograms per liter					< 0.1	< 0.1	
32106	Trichloromethane, water, unfiltered, recoverable, micrograms per liter					< 0.02	0.04 E	
34010	Toluene, water, unfiltered, recoverable, micrograms per liter	150				< 0.02	< 0.02	
34030	Benzene, water, unfiltered, recoverable, micrograms per liter	1				< 0.02	< 0.02	
34215	Acryonitrile, water, unfiltered, recoverable, micrograms per liter					< 0.4	< 0.4	
34221	Anthracene, water, filtered, recoverable, micrograms per liter					< 0.1	< 0.1	
34248	Benzaldehyde, water, filtered, recoverable, micrograms per liter	0.2 (p)				< 0.1	< 0.1	
34288	Trichloromethane, water, unfiltered, recoverable, micrograms per liter					< 0.1	< 0.1	
34301	Chlorobenzene, water, unfiltered, recoverable, micrograms per liter	70				< 0.02	< 0.02	
34311	Chloroethane, water, unfiltered, recoverable, micrograms per liter					< 0.1	< 0.1	
34371	Ethylbenzene, water, unfiltered, recoverable, micrograms per liter					< 0.04	< 0.04	
34377	Fluoranthene, water, filtered, recoverable, micrograms per liter					< 0.1	< 0.1	
34396	Hexachloroethane, water, unfiltered, recoverable, micrograms per liter					< 0.1	< 0.1	
34409	Isophorone, water, filtered, recoverable, micrograms per liter					M	M	
34413	Bromomethane, water, unfiltered, recoverable, micrograms per liter					< 0.4	< 0.4	
34418	Chloroethane, water, unfiltered, recoverable, micrograms per liter					< 0.1	< 0.1	
34423	Dichloromethane, water, unfiltered, recoverable, micrograms per liter					< 0.04	< 0.04	
34443	Naphthalene, water, filtered, recoverable, micrograms per liter					< 0.1	< 0.1	
34462	Phenanthrene, water, filtered, recoverable, micrograms per liter					< 0.1	< 0.1	
34466	Phenol, water, filtered, recoverable, micrograms per liter					< 0.2	< 0.2	
34470	Pyrene, water, filtered, recoverable, micrograms per liter					< 0.1	< 0.1	
34475	Tetrachloroethene, water, unfiltered, recoverable, micrograms per liter	5				< 0.04	< 0.04	
34476	Tetrachloroethene, water, filtered, recoverable, micrograms per liter					< 0.1	< 0.1	
34488	Trichlorofluoromethane, water, unfiltered, recoverable, micrograms per liter	150				< 0.08	< 0.08	
34496	1,1-Dichloroethane, water, unfiltered, recoverable, micrograms per liter	5				< 0.04	< 0.04	
34501	1,1,1-Trichloroethane, water, unfiltered, recoverable, micrograms per liter	6				< 0.02	< 0.02	
34506	1,1,2-Trichloroethane, water, unfiltered, recoverable, micrograms per liter	200				< 0.02	< 0.02	
34511	1,1,2-Trichloroethane, water, unfiltered, recoverable, micrograms per liter	5				< 0.06	< 0.06	
34516	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter	1				< 0.10	< 0.10	
34536	1,2-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter	600				< 0.02	< 0.02	
34541	1,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter	5				< 0.02	< 0.02	
34546	trans-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter	10				< 0.02	< 0.02	
34551	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter	5				< 0.1	< 0.1	
34566	1,3-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter					< 0.04	< 0.04	
34571	1,4-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter					< 0.02	< 0.02	
34572	1,4-Dichloroethene, water, unfiltered, recoverable, micrograms per liter	5				< 0.1	< 0.1	
34668	Dichlorofluoromethane, water, unfiltered, recoverable, micrograms per liter					< 0.14	< 0.14	
34696	Naphthalene, water, unfiltered, recoverable, micrograms per liter					< 0.2	< 0.2	
34699	trans-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5				< 0.10	< 0.10	

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
April 2008**

Code	Parameter	MCL	Well A1 4/22/2008	Well A2 4/23/2008	Well A3 4/23/2008	Well A4 4/23/2008	Well A5 4/23/2008
34704	cis-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5			< 0.10	< 0.10	< 0.10
38454	Dicrotophos, water, filtered, recoverable, micrograms per liter						
38775	Dichlorvos, water, filtered, recoverable, micrograms per liter						
38933	Chlorpyrifos, water, filtered, recoverable, micrograms per liter						
39086	Alkalinity, water, filtered, incremental titration, field, milligrams per liter as calcium carbonate		43	52	68	122	104
39175	Vinyl chloride, water, unfiltered, recoverable, micrograms per liter	0.5			< 0.1	< 0.1	
39180	Trichloroethene, water, unfiltered, recoverable, micrograms per liter	5			< 0.02	< 0.02	
39381	Dieldrin, water, filtered, recoverable, micrograms per liter						
39415	Metolachlor, water, filtered, recoverable, micrograms per liter				< 0.1	< 0.1	
39532	Malathion, water, filtered, recoverable, micrograms per liter						
39572	Diazinon, water, filtered, recoverable, micrograms per liter				< 0.1	< 0.1	
39632	Atrazine, water, filtered, recoverable, micrograms per liter						
39702	Hexachlorobutadiene, water, unfiltered, recoverable, micrograms per liter						
46342	Alachlor, water, filtered, recoverable, micrograms per liter						
49260	Acetochlor, water, filtered, recoverable, micrograms per liter						
49295	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
49933	C-14, water, filtered, percent modern						
49934	C-14, counting error, water, filtered, percent modern						
49991	Methyl acrylate, water, unfiltered, recoverable, micrograms per liter						
49999	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter						
50000	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter						
50002	Bromoethane, water, unfiltered, recoverable, micrograms per liter						
50004	tert-Butyl ethyl ether, water, unfiltered, recoverable, micrograms per liter						
50005	Methyl tert-pentyl ether, water, unfiltered, recoverable, micrograms per liter						
50305	Caffeine, water, filtered, recoverable, micrograms per liter						
50359	Metalaxyl, water, filtered, recoverable, micrograms per liter						
61209	Perchlorate, water, unfiltered, recoverable, micrograms per liter						
61585	Cyfluthrin, water, filtered, recoverable, micrograms per liter						
61586	Cypermethrin, water, filtered, recoverable, micrograms per liter						
61591	Fenamiphos, water, filtered, recoverable, micrograms per liter						
61593	Iprodione, water, filtered, recoverable, micrograms per liter						
61594	Isofenphos, water, filtered, recoverable, micrograms per liter						
61596	Metalaxyl, water, filtered, recoverable, micrograms per liter						
61598	Methidathion, water, filtered, recoverable, micrograms per liter						
61599	Myclobutanil, water, filtered, recoverable, micrograms per liter						
61601	Phosmet, water, filtered, recoverable, micrograms per liter						
61610	Tribuphos, water, filtered, recoverable, micrograms per liter						
61618	2-Chloro-2',6'-diethylacetanilide, water, filtered, recoverable, micrograms per liter						
61620	2-Ethyl-6-methoxyaniline, water, filtered, recoverable, micrograms per liter						
61625	3,4-Dichloraniline, water, filtered, recoverable, micrograms per liter						
61633	4-Chloro-2-methylphenol, water, filtered, recoverable, micrograms per liter						
61635	Azinphos-methyl oxygen analog, water, filtered, recoverable, micrograms per liter						
61636	Chlorthi/fos oxygen analog, water, filtered, recoverable, micrograms per liter						
61644	Ethion monoxon, water, filtered, recoverable, micrograms per liter						
61645	Fenamiphos sulfone, water, filtered, recoverable, micrograms per liter						
61646	Fenamiphos sulfoxide, water, filtered, recoverable, micrograms per liter						
61652	Mataxon, water, filtered, recoverable, micrograms per liter						
61664	Methyl paraoxon, water, filtered, recoverable, micrograms per liter						
61666	Phorate oxygen analog, water, filtered, recoverable, micrograms per liter						
61668	Fenistrol oxygen analog, water, filtered, recoverable, micrograms per liter						
61674	Terbufos oxygen analog sulfone, water, filtered, recoverable, micrograms per liter						
61705	Diethoxyoctylphenol, water, filtered, recoverable, micrograms per liter				< 1	< 1	
61706	Monooethoxyoctylphenol, water, filtered, recoverable, micrograms per liter				< 1	< 1	
62005	Cotinine, water, filtered, recoverable, micrograms per liter				< 0.400	< 0.400	

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
April 2008**

Code	Parameter	MCL	Well A1 4/22/2008	Well A2 4/23/2008	Well A3 4/23/2008	Well A4 4/23/2008	Well A5 4/23/2008
62054	1-Methylnaphthalene, water, filtered, recoverable, micrograms per liter				<0.1	<0.1	
62055	2,6-Dimethylnaphthalene, water, filtered, recoverable, micrograms per liter				<0.1	<0.1	
62056	2-Methylnaphthalene, water, filtered, recoverable, micrograms per liter				<0.1	<0.1	
62057	3-beta-Coprostanol, water, filtered, recoverable, micrograms per liter				<0.1	<0.1	
62058	3-Methyl-1-H-indole, water, filtered, recoverable, micrograms per liter				<0.08	<0.08	
62059	3-tert-Butyl-4-hydroxyanisole, water, filtered, recoverable, micrograms per liter				<0.6	<0.6	
62060	4-Cumylophenol, water, filtered, recoverable, micrograms per liter				<0.1	<0.1	
62061	4-Octylophenol, water, filtered, recoverable, micrograms per liter				<0.16	<0.16	
62062	4-tert-Octylphenol, water, filtered, recoverable, micrograms per liter				<1	<1	
62063	5-Methyl-1-H-benzotriazole, water, filtered, recoverable, micrograms per liter				<0.08	<0.08	
62064	Acetophenone, water, filtered, recoverable, micrograms per liter				<0.4	<0.4	
62065	/Acetyl hexamethyl tetrahydro naphthalene, water, filtered, recoverable, micrograms per liter				<0.2	<0.2	
62066	9,10-Antraquinone, water, filtered, recoverable, micrograms per liter				<0.1	<0.1	
62067	Benzophenone, water, filtered, recoverable, micrograms per liter				<2	<2	
62068	Beta-Sitosterol, water, filtered, recoverable, micrograms per liter				<0.1	<0.1	
62070	Camphor, water, filtered, recoverable, micrograms per liter				<0.1	<0.1	
62071	Carbazole, water, filtered, recoverable, micrograms per liter				<1	<1	
62072	Cholesterol, water, filtered, recoverable, micrograms per liter				<0.04	<0.04	
62073	D-Limonene, water, filtered, recoverable, micrograms per liter				<0.5	<0.5	
62075	Hexahydrohexamethyl cyclopentabenzopyran, water, filtered, recoverable, micrograms per liter				<0.1	<0.1	
62076	Indole, water, filtered, recoverable, micrograms per liter				<0.1	<0.1	
62077	Isoborneol, water, filtered, recoverable, micrograms per liter				<0.1	<0.1	
62078	Isopropylbenzene, water, filtered, recoverable, micrograms per liter				<0.1	<0.1	
62079	Isouquinoline, water, filtered, recoverable, micrograms per liter				<0.2	<0.2	
62080	Menthol, water, filtered, recoverable, micrograms per liter				<0.2	<0.2	
62081	Methyl salicylate, water, filtered, recoverable, micrograms per liter				<0.1	<0.1	
62082	DEET, water, filtered, recoverable, micrograms per liter				<0.1	<0.1	
62083	Diethoxyxonylophenol, water, filtered, recoverable, micrograms per liter				<5	<5	
62084	p-Cresol, water, filtered, recoverable, micrograms per liter				<0.18	<0.18	
62085	4-Nonylphenol, water, filtered, recoverable, micrograms per liter				<1	<1	
62086	beta-Stigmasterol, water, filtered, recoverable, micrograms per liter				<1	<1	
62087	Tris(2-chloroethyl) phosphate, water, filtered, recoverable, micrograms per liter				<0.1	<0.1	
62088	Tris(dichloroisopropyl) phosphate, water, filtered, recoverable, micrograms per liter				<0.1	<0.1	
62089	Tributyl phosphate, water, filtered, recoverable, micrograms per liter				<0.2	<0.2	
62090	Triclosan, water, filtered, recoverable, micrograms per liter				<0.2	<0.2	
62091	Triethyl citrate, water, filtered, recoverable, micrograms per liter				<0.2	<0.2	
62092	Triphenyl phosphate, water, filtered, recoverable, micrograms per liter				<0.1	<0.1	
62093	Tris(2-butoxyethyl) phosphate, water, filtered, recoverable, micrograms per liter				<0.4	<0.4	
62166	Fipronil, water, filtered, recoverable, micrograms per liter						
62167	Fipronil sulfide, water, filtered, recoverable, micrograms per liter						
62168	Fipronil sulfone, water, filtered, recoverable, micrograms per liter						
62169	Desulfurylfipronil amide, water, filtered, recoverable, micrograms per liter						
62170	Desulfurylfipronil, water, filtered, recoverable, micrograms per liter						
62854	Total nitrogen, (NH ₃ -NO ₂ +NO ₃ +Organic), filtered, milligrams per liter	6					
63790	Perclorate, water, filtered, recoverable, micrograms per liter	1500	356	437	430	407	429
70300	Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter		347 E	419	412 E	383 E	402 E
70301	Residue, water, filtered, sum of constituents, milligrams per liter						
70303	Residue, water, filtered, tons per acre-foot						
71846	Ammonia, water, filtered, milligrams per liter as NH ₄	45 (q)				0.03	
71851	Nitrate, water, filtered, milligrams per liter						
71856	Nitrite, water, filtered, milligrams per liter				0.006 E		
71865	Iodide, water, filtered, milligrams per liter				0.025	0.005	
71870	Bromide, water, filtered, milligrams per liter				0.38	0.27	0.06
7219	Depth to water level, feet below land surface	53.42	72.96	83.30	86.32	66.09	

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
April 2008**

Code	Parameter	MCL	Well A1 4/22/2008	Well A2 4/23/2008	Well A3 4/23/2008	Well A4 4/23/2008	Well A5 4/23/2008
73547	Sampling date						
73570	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, micrograms per liter				< 0.6	< 0.6	
75985	Ethyl methacrylate, water, unfiltered, recoverable, micrograms per liter				< 0.1	< 0.1	
76002	Tritium 2-sigma combined uncertainty, water, unfiltered, picocuries per liter						
77041	Rn-222, 2-sigma combined uncertainty, water, unfiltered, picocuries per liter				< 0.06	< 0.06	
77093	Carbon disulfide, water, unfiltered, micrograms per liter				< 0.02	< 0.02	
77103	cis-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter	6					
77128	n-Butyl methyl ketone, water, unfiltered, recoverable, micrograms per liter	100			< 0.6	< 0.6	
77135	Styrene, water, unfiltered, recoverable, micrograms per liter				< 0.04	< 0.04	
77168	o-Xylene, water, unfiltered, recoverable, micrograms per liter				< 0.04	< 0.04	
77170	1,1-Dichloropropane, water, unfiltered, recoverable, micrograms per liter				< 0.04	< 0.04	
77173	2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter				< 0.06	< 0.06	
77220	1,3-Dichloropropane, water, unfiltered, recoverable, micrograms per liter				< 0.1	< 0.1	
77221	2-Ethylbutene, water, unfiltered, recoverable, micrograms per liter				< 0.04	< 0.04	
77222	1,2,3-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter				< 0.1	< 0.1	
77223	1,2,4-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter				< 0.04	< 0.04	
77224	Isopropylbenzene, water, unfiltered, recoverable, micrograms per liter				< 0.04	< 0.04	
77226	n-Propylbenzene, water, unfiltered, recoverable, micrograms per liter				< 0.04	< 0.04	
77227	1,3,5-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter				< 0.04	< 0.04	
77228	2-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter				< 0.04	< 0.04	
77229	4-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter				< 0.04	< 0.04	
77342	Bromochloromethane, water, unfiltered, recoverable, micrograms per liter				< 0.06	< 0.06	
77344	n-Butylbenzene, water, unfiltered, recoverable, micrograms per liter				< 0.1	< 0.1	
77350	sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter				< 0.04	< 0.04	
77353	tert-Butylbenzene, water, unfiltered, recoverable, micrograms per liter				< 0.06	< 0.06	
77356	4-Isopropyltoluene, water, unfiltered, recoverable, micrograms per liter				< 0.08	< 0.08	
77424	Iodomethane, water, unfiltered, recoverable, micrograms per liter				< 0.4	< 0.4	
77443	1,2,3-Trichloropropane, water, unfiltered, recoverable, micrograms per liter				< 0.12	< 0.12	
77562	1,1,1,2-tetrachloroethane, water, unfiltered, recoverable, micrograms per liter				< 0.04	< 0.04	
77613	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter				< 0.1	< 0.1	
77651	1,2-Dibromoethane, water, unfiltered, recoverable, micrograms per liter	0.05			< 0.04	< 0.04	
77652	1,1,2-Trichloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, micrograms per liter				< 0.04	< 0.04	
78032	Methyl tert-butyl ether, water, unfiltered, recoverable, micrograms per liter				< 0.1	< 0.1	
78109	3-Chloropropane, water, unfiltered, recoverable, micrograms per liter				< 0.08	< 0.08	
78133	Isobutyl methyl ketone, water, unfiltered, recoverable, micrograms per liter				< 0.4	< 0.4	
81552	/Acetone, water, unfiltered, recoverable, micrograms per liter				< 4	< 4	
81555	Bromobenzene, water, unfiltered, recoverable, micrograms per liter				< 0.02	< 0.02	
81576	Diethyl ether, water, unfiltered, recoverable, micrograms per liter				< 0.1	< 0.1	
81577	Dilisopropyl ether, water, unfiltered, recoverable, micrograms per liter				< 0.06	< 0.06	
81593	Methyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter				< 0.2	< 0.2	
81595	Ethy methyl ketone, water, unfiltered, recoverable, micrograms per liter				< 1.6	< 1.6	
81597	Methyl methacrylate, water, unfiltered, recoverable, micrograms per liter				< 0.2	< 0.2	
81607	Tetrahydrofuran, water, unfiltered, recoverable, micrograms per liter						
82081	C-13/C-12 ratio, water, unfiltered, per mil				< 1	< 1	
82082	Deuterium/Protium ratio, water, unfiltered, per mil				-14.89	-14.89	
82085	Oxygen-18/Oxygen-16 ratio, water, unfiltered, per mil				-58.00	-45.70	
82303	Rn-222, water, unfiltered, picocuries per liter				-8.16	-8.16	
82346	Ethion, water, filtered, recoverable, micrograms per liter						
82625	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, micrograms per liter				< 0.5	< 0.5	
82630	Meribusin, water, filtered, recoverable, micrograms per liter						
82661	2,6-Diethylbenzene, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82662	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82664	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82667	[Methyl] parathion, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
April 2008**

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
Code	Sampling date	4/22/2008	4/23/2008	4/23/2008	4/23/2008	4/23/2008	4/23/2008
82670	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82673	Benzfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82675	Terbutios, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82676	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82680	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82682	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82683	Pandimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82686	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82687	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
83795	m-Xylene plus p-xylene, water, unfiltered, recoverable, micrograms per liter						
90095	Specific conductance, water, unfiltered, laboratory, microsiemens per centimeter at 25 degrees Celsius	645	757	732			
90851	Trihalomethanes, water, unfiltered, calcd, micrograms per liter						
99583	Bisphenol A-d3, surrogate, Schedule/lab code 2033/8033, water, filtered, Percent recovery						
99584	Caffeine-13C, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99585	Decafluorobiphenyl, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99586	Fluoranthene-d10, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99832	1,2-Dichloroethane-d4, surrogate, Schedule 2090, water, unfiltered, percent recovery						
99833	Toluene-d8, surrogate, Schedule 2090, water, unfiltered, percent recovery						
99834	1-Bromo-4-fluorobenzene, surrogate, VOC schedules, water, unfiltered, percent recovery						
99994	Diazinon-d10, surrogate, Schedule 2003, water, filtered, percent recovery						
99995	alpha-HCH-d6, surrogate, Schedule 2003, water, filtered, percent recovery						

Notes: U.S. EPA STORET numbers for MCLs correspond to the same as the USGS NWIS data parameter number except as follows:

- (a) MCL shown for U.S. EPA STORET No. 620.
- (b) MCL shown for U.S. EPA STORET No. 951.
- (c) MCL shown for U.S. EPA STORET No. 1002.
- (d) MCL shown for U.S. EPA STORET No. 1007.
- (e) MCL shown for U.S. EPA STORET No. 1012.
- (f) MCL shown for U.S. EPA STORET No. 1027.
- (g) MCL shown for U.S. EPA STORET No. 1034.
- (h) MCL shown for U.S. EPA STORET No. 1042.
- (i) MCL shown for U.S. EPA STORET No. 1059.
- (j) MCL shown for U.S. EPA STORET No. 1067.
- (k) MCL shown for U.S. EPA STORET No. 1077.
- (l) MCL shown for U.S. EPA STORET No. 1092.
- (m) MCL shown for U.S. EPA STORET No. 1097.
- (n) MCL shown for U.S. EPA STORET No. 1105.
- (o) MCL shown for U.S. EPA STORET No. 1147.
- (p) MCL shown for U.S. EPA STORET No. 34247.
- (q) MCL shown for U.S. EPA STORET No. 71850.

Code=Data parameter number used in USGS National Water Information System (NWIS).

E=Estimated.

M=Presence verified but not quantified.

MCL=Maximum Contaminant Level reported by California DHS (May 25, 2007 Database) for U.S. EPA STORET number.

V=Biased results from contamination.

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
August 2009**

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
3	Sampling date						
10	Sampling depth, feet						
28	Temperature, water, degrees Celsius					20.8	19
59	Agency analyzing sample, code					80020	80020
95	Flow rate, instantaneous, gallons per minute						
191	Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius					660	601
300	Hydrogen ion, water, unfiltered, calculated, milligrams per liter					0.00001	0.00002
400	Dissolved oxygen, water, unfiltered, milligrams per liter						
403	pH, water, unfiltered, field, standard units					8.1	7.7
453	Bicarbonate, water, filtered, incremental titration, field, milligrams per liter					8.2	7.7
602	Total nitrogen, water, filtered, milligrams per liter					151	148
607	Organic nitrogen, water, filtered, milligrams per liter						2.9 E
608	Ammonia, water, filtered, milligrams per liter as nitrogen					0.024	0.01E
613	Nitrite, water, filtered, milligrams per liter as nitrogen					< 0.002	< 0.002
618	Nitrate, water, filtered, milligrams per liter as nitrogen					< 0.1	0.08 E
623	Ammonia plus organic nitrogen, water, filtered, milligrams per liter as nitrogen					< 0.04	2.86
631	Nitrate plus nitrite, water, filtered, milligrams per liter as nitrogen					1 (a)	
650	Orthophosphate, water, filtered, milligrams per liter					1.28	0.870
666	Phosphorus, water, filtered, milligrams per liter					0.41	0.29
671	Orthophosphate, water, filtered, milligrams per liter as phosphorus					0.419	0.284
900	Hardness, water, milligrams per liter as calcium carbonate					110	170
904	Noncarbon hardness, water, filtered, field, milligrams per liter as calcium carbonate						44
905	Noncarbon hardness, water, filtered lab, milligrams per liter as calcium carbonate						38
915	Calcium, water, filtered, milligrams per liter					38.4	48.3
925	Magnesium, water, filtered, milligrams per liter					4.54	10.8
930	Sodium, water, filtered, milligrams per liter					86.2	55.0
931	Sodium adsorption ratio, water, number					3.5	1.9
932	Sodium fraction of cations, water, percent in equivalents of major cations					62	42
935	Potassium, water, filtered, milligrams per liter					1.98	1.86
940	Chloride, water, filtered, milligrams per liter					78.5	35.1
945	Sulfate, water, filtered, milligrams per liter					76.3	103
950	Fluoride, water, filtered, milligrams per liter					0.23	0.21
955	Silica, water, filtered, milligrams per liter					18.5	26.6
1000	Arsenic, water, filtered, micrograms per liter					10 (c)	4.7
1005	Barium, water, filtered, micrograms per liter					1000 (d)	49.7
1010	Beryllium, micrograms per liter					4 (e)	
1020	Boron, water, filtered, micrograms per liter						105
1025	Cadmium, micrograms per liter						128
1030	Chromium, micrograms per liter					5 (f)	
1035	Cobalt, micrograms per liter					50 (g)	
1040	Molybdenum, micrograms per liter					2 (i)	
1046	Nickel, micrograms per liter					100 (j)	
1049	Silver, micrograms per liter					100 (k)	
1056	Manganese, water, filtered, micrograms per liter					50	20.3
1057	Thallium, micrograms per liter						< 0.2
1060	Zinc, micrograms per liter						
1065	Antimony, micrograms per liter					5000 (l)	
1075	Strontium, water, filtered, micrograms per liter					6 (m)	
1080	Vanadium, micrograms per liter					343	257
1085	Copper, micrograms per liter						
1090	Iron, water, filtered, micrograms per liter					1000 (n)	
1095	Aluminum, water, filtered, micrograms per liter						6.6
1106	Lithium, water, filtered, micrograms per liter						< 4
1130						7	7

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
August 2009**

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
	Sampling date					8/4/2009	8/4/2009
1145	Selenium, micrograms per liter						
4022	Terbutylazine, water, filtered, recoverable, micrograms per liter	50 (o)					
4025	Hexazinone, water, filtered, recoverable, micrograms per liter						
4029	Bromacil, water, filtered, recoverable, micrograms per liter						
4035	Simazine, water, filtered, recoverable, micrograms per liter						
4036	Prometryn, water, filtered, recoverable, micrograms per liter						
4037	Prometon, water, filtered, recoverable, micrograms per liter						
4040	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, micrograms per liter						
4095	Fonofos, water, filtered, recoverable, micrograms per liter						
7000	Tritium, water, unfiltered, picocuries per liter						
22703	Uranium, natural, micrograms per liter						
29801	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, laboratory, milligrams per liter as calcium carbonate						
30217	Dibromotetraene, water, unfiltered, recoverable, micrograms per liter						
32101	Bromodichloromethane, water, unfiltered, recoverable, micrograms per liter						
32102	Tetrachloromethane, water, unfiltered, recoverable, micrograms per liter	0.5					
32103	1,2-Dichloroethane, water, unfiltered, recoverable, micrograms per liter						
32104	Tribromomethane, water, unfiltered, recoverable, micrograms per liter						
32105	Dibromo-chloroethane, water, unfiltered, recoverable, micrograms per liter						
32106	Trichloromethane, water, unfiltered, recoverable, micrograms per liter						
32108	Toluene, water, unfiltered, recoverable, micrograms per liter						
34010	Benzene, water, unfiltered, recoverable, micrograms per liter	150					
34030	Acrylonitrile, water, unfiltered, recoverable, micrograms per liter	1					
34221	Anthracene, water, filtered, recoverable, micrograms per liter						
34248	Benzolalpyrene, water, filtered, recoverable, micrograms per liter	0.2 (p)					
34288	Tribromomethane, water, filtered, recoverable, micrograms per liter						
34301	Chlorobenzene, water, unfiltered, recoverable, micrograms per liter	70					
34311	Chloroethane, water, unfiltered, recoverable, micrograms per liter						
34371	Ethybenzene, water, unfiltered, recoverable, micrograms per liter	300					
34377	Fluoranthene, water, filtered, recoverable, micrograms per liter						
34396	Hexachloroethane, water, unfiltered, recoverable, micrograms per liter						
34409	Isophorone, water, filtered, recoverable, micrograms per liter						
34413	Bromomethane, water, unfiltered, recoverable, micrograms per liter						
34418	Chloromethane, water, unfiltered, recoverable, micrograms per liter						
34423	Dichloromethane, water, unfiltered, recoverable, micrograms per liter	5					
34443	Naphthalene, water, filtered, recoverable, micrograms per liter						
34462	Phenanthrene, water, filtered, recoverable, micrograms per liter						
34466	Phenol, water, filtered, recoverable, micrograms per liter						
34470	Pyrene, water, filtered, recoverable, micrograms per liter						
34475	Tetrachloroethene, water, unfiltered, recoverable, micrograms per liter	5					
34476	Tetrachloroethene, water, filtered, recoverable, micrograms per liter						
34486	Trichlorofluoromethane, water, unfiltered, recoverable, micrograms per liter						
34496	1,1-Dichloroethane, water, unfiltered, recoverable, micrograms per liter						
34501	1,1-Dichloroethene, water, unfiltered, recoverable, micrograms per liter						
34506	1,1,1-Trichloroethane, water, unfiltered, recoverable, micrograms per liter	200					
34511	1,1,2-Trichloroethene, water, unfiltered, recoverable, micrograms per liter	5					
34516	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter	1					
34536	1,2-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter	600					
34541	1,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter	5					
34546	trans-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter	10					
34551	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter	5					
34566	1,3-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter						
34571	1,4-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter	5					
34572	1,4-Dichlorobenzene, water, filtered, recoverable, micrograms per liter						
34688	Dichlorodifluoromethane, water, unfiltered, recoverable, micrograms per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
August 2009**

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
34696	Naphthalene, water, unfiltered, recoverable, micrograms per liter						
34699	trans-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5					
34704	cis-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5					
38454	Dicrophos, water, filtered, recoverable, micrograms per liter						
38775	Dichlorvos, water, filtered, recoverable, micrograms per liter						
38933	Chlorpyrifos, water, filtered, recoverable, micrograms per liter						
39086	Alkalinity, water, filtered, incremental titration, field, milligrams per liter as calcium carbonate					124	121
39175	Vinyl chloride, water, unfiltered, recoverable, micrograms per liter	0.5					
39180	Trichloroethene, water, unfiltered, recoverable, micrograms per liter	5					
39381	Dieldrin, water, filtered, recoverable, micrograms per liter						
39415	Metolachlor, water, filtered, recoverable, micrograms per liter						
39532	Malathion, water, filtered, recoverable, micrograms per liter						
39572	Diazinon, water, filtered, recoverable, micrograms per liter						
39632	Atrazine, water, filtered, recoverable, micrograms per liter						
39702	Hexachlorobutadiene, water, unfiltered, recoverable, micrograms per liter						
46342	Alachlor, water, filtered, recoverable, micrograms per liter						
49260	Acetochlor, water, filtered, recoverable, micrograms per liter						
49295	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
49933	C-14, water, filtered, percent modern						
49934	C-14, counting error, water, filtered, percent modern						
49991	Methyl acrylate, water, unfiltered, recoverable, micrograms per liter						
49999	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter						
50000	Bromoethene, water, unfiltered, recoverable, micrograms per liter						
50002	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter						
50004	tert-Butyl ethyl ether, water, unfiltered, recoverable, micrograms per liter						
50005	Methyl tert-butyl ether, water, unfiltered, recoverable, micrograms per liter						
50305	Caffeine, water, filtered, recoverable, micrograms per liter						
50359	Metalaxyl, water, filtered, recoverable, micrograms per liter						
61209	Perchlorate, water, unfiltered, recoverable, micrograms per liter	6					
61585	Cyfluthrin, water, filtered, recoverable, micrograms per liter						
61586	Cypermethrin, water, filtered, recoverable, micrograms per liter						
61591	Fenamiphos, water, filtered, recoverable, micrograms per liter						
61593	Iprodione, water, filtered, recoverable, micrograms per liter						
61594	Isofenphos, water, filtered, recoverable, micrograms per liter						
61596	Metalaxyl, water, filtered, recoverable, micrograms per liter						
61598	Methidathion, water, filtered, recoverable, micrograms per liter						
61599	Myclobutanil, water, filtered, recoverable, micrograms per liter						
61601	Phosmet, water, filtered, recoverable, micrograms per liter						
61610	Tribuphos, water, filtered, recoverable, micrograms per liter						
61618	2-Chloro-2',6-diethylacetanilide, water, filtered, recoverable, micrograms per liter						
61620	2-Ethyl-6-methylaniline, water, filtered, recoverable, micrograms per liter						
61625	3,4-Dichloroaniline, water, filtered, recoverable, micrograms per liter						
61633	4-Chloro-2-methylphenol, water, filtered, recoverable, micrograms per liter						
61635	Azinphos-methyl oxygen analog, water, filtered, recoverable, micrograms per liter						
61636	Chlorpyrifos oxygen analog, water, filtered, recoverable, micrograms per liter						
61644	Ethion monoxin, water, filtered, recoverable, micrograms per liter						
61645	Fenamiphos sulfone, water, filtered, recoverable, micrograms per liter						
61646	Fenamiphos sulfoxide, water, filtered, recoverable, micrograms per liter						
61652	Malaoxon, water, filtered, recoverable, micrograms per liter						
61664	Methyl paraoxon, water, filtered, recoverable, micrograms per liter						
61666	Phorate oxygen analog, water, filtered, recoverable, micrograms per liter						
61668	Phosmet oxygen analog, water, filtered, recoverable, micrograms per liter						
61674	Terbufos oxygen analog sulfone, water, filtered, recoverable, micrograms per liter						
61705	Diethoxytoluene, water, filtered, recoverable, micrograms per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
August 2009**

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
	Sampling date						
61706	Monophenoxyoctylphenol, water, filtered, recoverable, micrograms per liter						
62005	Cotinine, water, filtered, recoverable, micrograms per liter						
62054	1-Methylnaphthalene, water, filtered, recoverable, micrograms per liter						
62055	2,6-Dimethylnaphthalene, water, filtered, recoverable, micrograms per liter						
62056	2-Methylnaphthalene, water, filtered, recoverable, micrograms per liter						
62057	3-beta-Coprostanol, water, filtered, recoverable, micrograms per liter						
62058	3-Methyl-1-H-indole, water, filtered, recoverable, micrograms per liter						
62059	3-tert-Butyl/4-hydroxyanisole, water, filtered, recoverable, micrograms per liter						
62060	4-Cumylophenol, water, filtered, recoverable, micrograms per liter						
62061	4-Octylphenol, water, filtered, recoverable, micrograms per liter						
62062	4-tert-Octylphenol, water, filtered, recoverable, micrograms per liter						
62063	5-Methyl-1-H-benzotriazole, water, filtered, recoverable, micrograms per liter						
62064	Acetophenetone, water, filtered, recoverable, micrograms per liter						
62065	Acetyl hexamethyl tetrahydro naphthalene, water, filtered, recoverable, micrograms per liter						
62066	9,10-Anthraquinone, water, filtered, recoverable, micrograms per liter						
62067	Benzophenone, water, filtered, recoverable, micrograms per liter						
62068	beta-Sitosterol, water, filtered, recoverable, micrograms per liter						
62070	Camphor, water, filtered, recoverable, micrograms per liter						
62071	Carbazole, water, filtered, recoverable, micrograms per liter						
62072	Cholesterol, water, filtered, recoverable, micrograms per liter						
62073	D-Limonene, water, filtered, recoverable, micrograms per liter						
62075	Hexahydrohexamethyl cyclohexanopyran, water, filtered, recoverable, micrograms per liter						
62076	Indole, water, filtered, recoverable, micrograms per liter						
62077	Isoborneol, water, filtered, recoverable, micrograms per liter						
62078	Isopropylbenzene, water, filtered, recoverable, micrograms per liter						
62079	Isoquinaline, water, filtered, recoverable, micrograms per liter						
62080	Menthol, water, filtered, recoverable, micrograms per liter						
62081	Methyl salicylate, water, filtered, recoverable, micrograms per liter						
62082	DEET, water, filtered, recoverable, micrograms per liter						
62083	Diethoxynonylphenol, water, filtered, recoverable, micrograms per liter						
62084	p-Cresol, water, filtered, recoverable, micrograms per liter						
62085	4-Nonylphenol, water, filtered, recoverable, micrograms per liter						
62086	beta-Stigmastanol, water, filtered, recoverable, micrograms per liter						
62087	Tris(2-chloroethyl) phosphate, water, filtered, recoverable, micrograms per liter						
62088	Tris(dichloroisopropyl) phosphate, water, filtered, recoverable, micrograms per liter						
62089	Tributyl phosphate, water, filtered, recoverable, micrograms per liter						
62090	Triclosan, water, filtered, recoverable, micrograms per liter						
62091	Triethyl citrate, water, filtered, recoverable, micrograms per liter						
62092	Triphenyl phosphate, water, filtered, recoverable, micrograms per liter						
62093	Tris(2-but oxyethyl) phosphate, water, filtered, recoverable, micrograms per liter						
62166	Fipronil, water, filtered, recoverable, micrograms per liter						
62167	Fipronil sulfide, water, filtered, recoverable, micrograms per liter						
62168	Fipronil sulfone, water, filtered, recoverable, micrograms per liter						
62169	Desulfvinifipronil amide, water, filtered, recoverable, micrograms per liter						
62170	Desulfvinifipronil, water, filtered, recoverable, micrograms per liter						
62854	Total nitrogen, ($\text{NH}_3+\text{NO}_2+\text{NO}_3+\text{Organic}$), filtered, milligrams per liter						
63790	Perchlorate, water, filtered, recoverable, micrograms per liter	6					
70300	Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter	1500					
70301	Residue, water, filtered, sum of constituents, milligrams per liter	389	396				
70303	Residue, water, filtered, tons per acre-foot	381	368 E				
71846	Ammonia, water, filtered, milligrams per liter as NH_4	0.03	0.01 E				
71851	Nitrate, water, filtered, milligrams per liter	45 (g)					
71856	Nitrite, water, filtered, milligrams per liter	0.035	0.004				
71865	Iodide, water, filtered, milligrams per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
August 2009**

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
71870	Bromide, water, filtered, milligrams per liter					8/4/2009	8/4/2009
72019	Depth to water level, feet below land surface					0.27	0.06
73547	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, micrograms per liter						
73570	Ethyl methacrylate, water, unfiltered, recoverable, micrograms per liter						
75985	Trilium 2-sigma combined uncertainty, water, unfiltered, picocuries per liter						
76002	Rn-222, 2-sigma combined uncertainty, water, unfiltered, picocuries per liter						
77041	Carbon disulfide, water, unfiltered, micrograms per liter						
77093	cis-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter	6					
77103	n-Butyl methyl ketone, water, unfiltered, recoverable, micrograms per liter						
77128	Styrene, water, unfiltered, recoverable, micrograms per liter						
77135	o-Xylene, water, unfiltered, recoverable, micrograms per liter		100				
77168	1,1-Dichloropropene, water, unfiltered, recoverable, micrograms per liter						
77170	2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter						
77173	1,3-Dichloropropane, water, unfiltered, recoverable, micrograms per liter						
77220	2-Ethyltoluene, water, unfiltered, recoverable, micrograms per liter						
77221	1,2,3-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter						
77222	1,2,4-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter						
77223	Isopropylbenzene, water, unfiltered, recoverable, micrograms per liter						
77224	n-Propylbenzene, water, unfiltered, recoverable, micrograms per liter						
77226	1,3,5-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter						
77227	2-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter						
77229	4-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter						
77342	n-Butylbenzene, water, unfiltered, recoverable, micrograms per liter						
77350	sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter						
77353	tert-Butylbenzene, water, unfiltered, recoverable, micrograms per liter						
77356	4-Isopropyltoluene, water, unfiltered, recoverable, micrograms per liter						
77424	Iodomethane, water, unfiltered, recoverable, micrograms per liter						
77443	1,2,3-Trichloropropane, water, unfiltered, recoverable, micrograms per liter						
77562	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter						
77613	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter						
77651	1,2-Dibromoethane, water, unfiltered, recoverable, micrograms per liter	0.05					
77652	1,1,2-Trichloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, micrograms per liter						
78032	Methyl tert-butyl ether, water, unfiltered, recoverable, micrograms per liter						
78109	3-Chloropropene, water, unfiltered, recoverable, micrograms per liter						
78133	Isobutyl methyl ketone, water, unfiltered, recoverable, micrograms per liter						
81562	Acetone, water, unfiltered, recoverable, micrograms per liter						
81555	Bromobenzene, water, unfiltered, recoverable, micrograms per liter						
81576	Diethyl ether, water, unfiltered, recoverable, micrograms per liter						
81577	Diisopropyl ether, water, unfiltered, recoverable, micrograms per liter						
81593	Methyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter						
81595	Ethy methyl ketone, water, unfiltered, recoverable, micrograms per liter						
81597	Methyl methacrylate, water, unfiltered, recoverable, micrograms per liter						
81607	Tetrahydrofuran, water, unfiltered, recoverable, micrograms per liter						
82081	C-13/C-12 ratio, water, unfiltered, per mil					-45.30	-37.70
82082	Deuterium/Protium ratio, water, unfiltered, per mil					-6.88	-6.00
82085	Oxygen-18/Oxygen-16 ratio, water, unfiltered, per mil						
82303	Rn-222, water, unfiltered, picocuries per liter						
82346	Ethion, water, filtered, recoverable, micrograms per liter						
82625	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, micrograms per liter						
82630	Metribuzin, water, filtered, recoverable, micrograms per liter						
82660	2,6-Diethylaniline, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82661	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82662	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
August 2009**

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
82664	Sampling date						
82664	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82667	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82670	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82673	Benthiolin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82675	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82676	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82680	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82682	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82683	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82686	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82687	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
85795	m-Xylene plus p-Xylene, water, unfiltered, recoverable, micrograms per liter						
90095	Specific conductance, water, unfiltered, recoverable, micrograms per centimeter at 25 degrees Celsius						
90851	Trihalomethanes, water, unfiltered, calcd, micrograms per liter						
99583	Bisphenol A-d3, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99584	Caffeine-13C, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99585	Decafluorobiphenyl, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99586	Fluoranthene-d10, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99832	1,2-Dichloroethane-d4, surrogate, Schedule 2090, water, unfiltered, percent recovery						
99833	Toluene-d8, surrogate, Schedule 2090, water, unfiltered, percent recovery						
99834	1-Bromo-4-fluorobenzene, surrogate, VOC schedules, water, unfiltered, percent recovery						
99994	Diazinon-d10, surrogate, Schedule 2003, water, filtered, percent recovery						
99995	alpha-HCH-d6, surrogate, Schedule 2003, water, filtered, percent recovery						

Notes:

U.S. EPA STORET numbers for MCLs correspond to the same as the USGS NWIS data parameter number except as follows:

- (a) MCL shown for U.S. EPA STORET No. 620.
- (b) MCL shown for U.S. EPA STORET No. 951.
- (c) MCL shown for U.S. EPA STORET No. 1002.
- (d) MCL shown for U.S. EPA STORET No. 1007.
- (e) MCL shown for U.S. EPA STORET No. 1012.
- (f) MCL shown for U.S. EPA STORET No. 1027.
- (g) MCL shown for U.S. EPA STORET No. 1034.
- (h) MCL shown for U.S. EPA STORET No. 1042.
- (i) MCL shown for U.S. EPA STORET No. 1059.
- (j) MCL shown for U.S. EPA STORET No. 1067.
- (k) MCL shown for U.S. EPA STORET No. 1077.
- (l) MCL shown for U.S. EPA STORET No. 1092.
- (m) MCL shown for U.S. EPA STORET No. 1097.
- (n) MCL shown for U.S. EPA STORET No. 1105.
- (o) MCL shown for U.S. EPA STORET No. 1147.
- (p) MCL shown for U.S. EPA STORET No. 34247.
- (q) MCL shown for U.S. EPA STORET No. 71850.

Code--Data parameter number used in USGS National Water Information System (NWIS).

E--Estimated.

M--Presence verified but not quantified.

MCL--Maximum Contaminant Level reported by California DHS (May 25, 2007 Database) for U.S. EPA STORET number.

V--Biased results from contamination.

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
July 2010**

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
3	Sampling date						
10	Sampling depth, feet						
28	Temperature, water, degrees Celsius					22.5	19.5
59	Agency analyzing sample, code					80020	80020
95	Flow rate, instantaneous, gallons per minute						
191	Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius					670	720
300	Hydrogen ion, water, unfiltered, calculated, milligrams per liter					0.00001	0.00003
400	Dissolved oxygen, water, unfiltered, milligrams per liter						
403	pH, water, unfiltered, field, standard units					8.0	7.6
405	Carbon dioxide, water, unfiltered, milligrams per liter					8.2	7.6
453	Bicarbonate, water, filtered, incremental titration, field, milligrams per liter					2.2	9.1
602	Total nitrogen, water, filtered, milligrams per liter					149	224
607	Organic nitrogen, water, filtered, milligrams per liter					< 0.14	3.8 E
608	Ammonia, water, filtered, milligrams per liter as nitrogen					< 0.08	< 0.09
613	Nitrite, water, filtered, milligrams per liter as nitrogen	1 (a)				0.025	< 0.020
618	Nitrate, water, filtered, milligrams per liter as nitrogen					0.001 E	0.001 E
623	Ammonia plus organic nitrogen, water, filtered, milligrams per liter as nitrogen					< 0.039	3.66 E
631	Nitrate plus nitrite, water, filtered, milligrams per liter as nitrogen					< 0.10	0.09 E
660	Orthophosphate, water, filtered, milligrams per liter					< 0.04	3.66
666	Phosphorus, water, filtered, milligrams per liter					1.10	4.36
671	Orthophosphate, water, filtered, milligrams per liter as phosphorus					0.35	1.40
900	Hardness, water, milligrams per liter as calcium carbonate					0.359	1.42
904	Noncarbon hardness, water, filtered, field, milligrams per liter as calcium carbonate					104	211
905	Noncarbon hardness, water, filtered, lab, milligrams per liter as calcium carbonate					27	27
915	Calcium, water, filtered, milligrams per liter					22	22
925	Magnesium, water, filtered, milligrams per liter					34.5	61.4
930	Sodium, water, filtered, milligrams per liter					4.18	14.0
931	Sodium adsorption ratio, water, number					96.8	74.3
932	Sodium fraction of cations, water, percent in equivalents of major cations					4.14	2.23
935	Potassium, water, filtered, milligrams per liter					67	43
940	Chloride, water, filtered, milligrams per liter					2.03	2.34
945	Sulfate, water, filtered, milligrams per liter					83.9	39.5
950	Fluoride, water, filtered, milligrams per liter					79.9	114
955	Silica, water, filtered, milligrams per liter					0.26	0.12
1000	Arsenic, water, filtered, micrograms per liter					16.9	28.4
1005	Barium, water, filtered, micrograms per liter					4.6	2.8
1010	Beryllium, micrograms per liter					19.4	54.0
1020	Boron, water, filtered, micrograms per liter					106	145
1025	Cadmium, micrograms per liter					5 (f)	
1030	Chromium, micrograms per liter					50 (g)	
1035	Cobalt, micrograms per liter					100 (c)	
1040	Copper, micrograms per liter					1000 (d)	
1046	Iron, water, filtered, micrograms per liter					300	
1049	Lead, micrograms per liter					6 E	< 6
1056	Manganese, water, filtered, micrograms per liter					20.0	< 0.2
1057	Thallium, micrograms per liter					2 (i)	
1060	Molybdenum, micrograms per liter					100 (j)	
1065	Nickel, micrograms per liter					100 (k)	
1075	Silver, micrograms per liter						
1080	Stron튬, water, filtered, micrograms per liter					309	344
1085	Vanadium, micrograms per liter						
1090	Zinc, micrograms per liter					5000 (l)	
1095	Antimony, micrograms per liter					6 (m)	
1106	Aluminum, water, filtered, micrograms per liter					1000 (n)	
							12.5
							2.4

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S12W-19A1-6)
July 2010**

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
1130	Lithium, water, filtered, micrograms per liter						
1145	Selenium, micrograms per liter						
4022	Terbutylazine, water, filtered, recoverable, micrograms per liter						
4025	Hexazinone, water, filtered, recoverable, micrograms per liter						
4029	Bromacil, water, filtered, recoverable, micrograms per liter						
4035	Simazine, water, filtered, recoverable, micrograms per liter						
4036	Prometryn, water, filtered, recoverable, micrograms per liter						
4037	Prometon, water, filtered, recoverable, micrograms per liter						
4040	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, micrograms per liter						
4095	Fonofos, water, filtered, recoverable, micrograms per liter						
7000	Tritium, water, unfiltered, picocuries per liter						
22703	Uranium, natural, micrograms per liter						
29801	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, laboratory, milligrams per liter as calcium carbonate						
30217	Dibromomethane, water, unfiltered, recoverable, micrograms per liter						
32101	Bromodichloromethane, water, unfiltered, recoverable, micrograms per liter						
32102	Tetrachloromethane, water, unfiltered, recoverable, micrograms per liter						
32103	1,2-Dichloroethane, water, unfiltered, recoverable, micrograms per liter						
32104	Trichloroethane, water, unfiltered, recoverable, micrograms per liter						
32105	Dibromochloromethane, water, unfiltered, recoverable, micrograms per liter						
32106	Trichloroethane, water, unfiltered, recoverable, micrograms per liter						
34010	Toluene, water, unfiltered, recoverable, micrograms per liter						
34030	Benzene, water, unfiltered, recoverable, micrograms per liter						
34215	Acrylonitrile, water, unfiltered, recoverable, micrograms per liter						
34221	Anthracene, water, filtered, recoverable, micrograms per liter						
34248	Benzofluoropyrene, water, filtered, recoverable, micrograms per liter					0.2 (p)	
34288	Tri bromomethane, water, filtered, recoverable, micrograms per liter						
34301	Chlorobenzene, water, unfiltered, recoverable, micrograms per liter						
34311	Chloroethane, water, unfiltered, recoverable, micrograms per liter						
34311	Chloroethane, water, unfiltered, recoverable, micrograms per liter						
34371	Ethybenzene, water, unfiltered, recoverable, micrograms per liter						
34377	Fluoranthene, water, filtered, recoverable, micrograms per liter						
34396	Hexachloroethane, water, unfiltered, recoverable, micrograms per liter						
34396	Isophorone, water, filtered, recoverable, micrograms per liter						
34409	Isononane, water, unfiltered, recoverable, micrograms per liter						
34413	Bromomethane, water, unfiltered, recoverable, micrograms per liter						
34418	Chloromethane, water, unfiltered, recoverable, micrograms per liter						
34423	Dichloromethane, water, unfiltered, recoverable, micrograms per liter						
34443	Naphthalene, water, filtered, recoverable, micrograms per liter						
34462	Phenanthrene, water, filtered, recoverable, micrograms per liter						
34466	Phenol, water, filtered, recoverable, micrograms per liter						
34470	Pyrene, water, filtered, recoverable, micrograms per liter						
34475	Tetrachloroethene, water, unfiltered, recoverable, micrograms per liter						
34476	Tetrachloroethene, water, filtered, recoverable, micrograms per liter						
34488	Trichlorofluoromethane, water, unfiltered, recoverable, micrograms per liter						
34496	1,1-Dichloroethane, water, unfiltered, recoverable, micrograms per liter						
34501	1,1-Dichloroethene, water, unfiltered, recoverable, micrograms per liter						
34506	1,1,1-Trichloroethane, water, unfiltered, recoverable, micrograms per liter						
34511	1,1,2-Trichloroethane, water, unfiltered, recoverable, micrograms per liter						
34516	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter						
34536	1,2-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter						
34541	1,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter						
34546	trans-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter						
34551	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter						
34566	1,3-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter						
34571	1,4-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter						
34572	1,4-Dichlorobenzene, water, filtered, recoverable, micrograms per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S12W-19A1-6)
July 2010**

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
34668	Sampling date						
34696	Dichlorodifluoromethane, water, unfiltered, recoverable, micrograms per liter						
34699	Naphthalene, water, unfiltered, recoverable, micrograms per liter						
34704	trans-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5					
38454	cis-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5					
38775	Dicropophos, water, filtered, recoverable, micrograms per liter						
38933	Dichlorvos, water, filtered, recoverable, micrograms per liter						
39086	Chlorpyrifos, water, filtered, recoverable, micrograms per liter						
39175	Alkalinity, water, filtered, incremental titration, field, milligrams per liter as calcium carbonate	124	185				
39180	Vinyl chloride, water, unfiltered, recoverable, micrograms per liter	0.5					
39381	Trichloroethene, water, unfiltered, recoverable, micrograms per liter	5					
39415	Dieldrin, water, filtered, recoverable, micrograms per liter						
39532	Metolachlor, water, filtered, recoverable, micrograms per liter						
39572	Malathion, water, filtered, recoverable, micrograms per liter						
39632	Diazinon, water, filtered, recoverable, micrograms per liter						
39702	Atrazine, water, filtered, recoverable, micrograms per liter						
46342	Hexachlorobutadiene, water, unfiltered, recoverable, micrograms per liter						
49260	Alachlor, water, filtered, recoverable, micrograms per liter						
49295	Acetochlor, water, filtered, recoverable, micrograms per liter						
49933	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
49934	C-14, water, filtered, percent modern						
49991	Methyl acylate, water, unfiltered, recoverable, micrograms per liter						
49999	1,2,3,4-Tetranethylbenzene, water, unfiltered, recoverable, micrograms per liter						
50000	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter						
50002	Bromoethene, water, unfiltered, recoverable, micrograms per liter						
50004	tert-Butyl ethyl ether, water, unfiltered, recoverable, micrograms per liter						
50005	Methyl tert-pentyl ether, water, unfiltered, recoverable, micrograms per liter						
50305	Caffeine, water, filtered, recoverable, micrograms per liter						
50359	Metalaxyl, water, filtered, recoverable, micrograms per liter						
61209	Perchlorate, water, unfiltered, recoverable, micrograms per liter	6					
61585	Cyfluthrin, water, filtered, recoverable, micrograms per liter						
61586	Cypermethrin, water, filtered, recoverable, micrograms per liter						
61591	Fenamiphos, water, filtered, recoverable, micrograms per liter						
61593	Iprodione, water, filtered, recoverable, micrograms per liter						
61594	Isofenphos, water, filtered, recoverable, micrograms per liter						
61596	Metalaxy, water, filtered, recoverable, micrograms per liter						
61598	Methidathion, water, filtered, recoverable, micrograms per liter						
61599	Myclobutanil, water, filtered, recoverable, micrograms per liter						
61601	Phosmet, water, filtered, recoverable, micrograms per liter						
61610	Tribuphos, water, filtered, recoverable, micrograms per liter						
61618	2-Chloro-2',6'-diethylacetanilide, water, filtered, recoverable, micrograms per liter						
61620	2-Ethyl-6-methylaniline, water, filtered, recoverable, micrograms per liter						
61625	3,4-Dichloroaniline, water, filtered, recoverable, micrograms per liter						
61633	4-Chloro-2-methylphenol, water, filtered, recoverable, micrograms per liter						
61635	Azinphos-methyl oxygen analog, water, filtered, recoverable, micrograms per liter						
61636	Chlorpyrifos oxygen analog, water, filtered, recoverable, micrograms per liter						
61644	Ethion monoxon, water, filtered, recoverable, micrograms per liter						
61645	Fenamiphos sulfone, water, filtered, recoverable, micrograms per liter						
61646	Fenamiphos sulfoxide, water, filtered, recoverable, micrograms per liter						
61652	Malaokxon, water, filtered, recoverable, micrograms per liter						
61664	Methyl paraoxon, water, filtered, recoverable, micrograms per liter						
61666	Phorate oxygen analog, water, filtered, recoverable, micrograms per liter						
61668	Phosmet oxygen analog, water, filtered, recoverable, micrograms per liter						
61674	Terbutos oxygen analog sulfone, water, filtered, recoverable, micrograms per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
July 2010**

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
	Sampling date					7/26/2010	7/26/2010
61705	Diethoxyoctylphenol, water, filtered, recoverable, micrograms per liter						
61706	Monooethoxyoctylphenol, water, filtered, recoverable, micrograms per liter						
62005	Cotinine, water, filtered, recoverable, micrograms per liter						
62054	1-Methylnaphthalene, water, filtered, recoverable, micrograms per liter						
62055	2,6-Dimethylnaphthalene, water, filtered, recoverable, micrograms per liter						
62056	2-Methylnaphthalene, water, filtered, recoverable, micrograms per liter						
62057	3-beta-Coprostanol, water, filtered, recoverable, micrograms per liter						
62058	3-Methyl-1-H-indole, water, filtered, recoverable, micrograms per liter						
62059	3-tert-Butyl-4-hydroxyanisole, water, filtered, recoverable, micrograms per liter						
62060	4-Cumylphenol, water, filtered, recoverable, micrograms per liter						
62061	4-Octylphenol, water, filtered, recoverable, micrograms per liter						
62062	4-tert-Octylphenol, water, filtered, recoverable, micrograms per liter						
62063	5-Methyl-1-H-benzotriazole, water, filtered, recoverable, micrograms per liter						
62064	Acetophenone, water, filtered, recoverable, micrograms per liter						
62065	Acetyl hexamethyl tetrahydro naphthalene, water, filtered, recoverable, micrograms per liter						
62066	9,10-Anthraquinone, water, filtered, recoverable, micrograms per liter						
62067	Benzophenone, water, filtered, recoverable, micrograms per liter						
62068	beta-Sitosterol, water, filtered, recoverable, micrograms per liter						
62069	Camphor, water, filtered, recoverable, micrograms per liter						
62070	Carbazole, water, filtered, recoverable, micrograms per liter						
62072	Cholesterol, water, filtered, recoverable, micrograms per liter						
62073	D-Limonene, water, filtered, recoverable, micrograms per liter						
62075	Hexabutohexamethyl cyclopentadienylbenzopyran, water, filtered, recoverable, micrograms per liter						
62076	Indole, water, filtered, recoverable, micrograms per liter						
62077	Isoborneol, water, filtered, recoverable, micrograms per liter						
62078	Isopropylbenzene, water, filtered, recoverable, micrograms per liter						
62079	Isouquinoline, water, filtered, recoverable, micrograms per liter						
62080	Menthol, water, filtered, recoverable, micrograms per liter						
62081	Methyl salicylate, water, filtered, recoverable, micrograms per liter						
62082	DEET, water, filtered, recoverable, micrograms per liter						
62083	Diethoxynonylphenol, water, filtered, recoverable, micrograms per liter						
62084	p-Cresol, water, filtered, recoverable, micrograms per liter						
62085	4-Nonylphenol, water, filtered, recoverable, micrograms per liter						
62086	beta-Stigmastanol, water, filtered, recoverable, micrograms per liter						
62087	Tris(2-chloroethyl) phosphate, water, filtered, recoverable, micrograms per liter						
62088	Tris(dichloroisopropyl) phosphate, water, filtered, recoverable, micrograms per liter						
62089	Tributyl phosphate, water, filtered, recoverable, micrograms per liter						
62090	Tricosan, water, filtered, recoverable, micrograms per liter						
62091	Triethyl citrate, water, filtered, recoverable, micrograms per liter						
62092	Triphenyl phosphate, water, filtered, recoverable, micrograms per liter						
62093	Tris(2-butoxyethyl) phosphate, water, filtered, recoverable, micrograms per liter						
62166	Fipronil, water, filtered, recoverable, micrograms per liter						
62167	Fipronil sulfide, water, filtered, recoverable, micrograms per liter						
62168	Fipronil sulfone, water, filtered, recoverable, micrograms per liter						
62169	Desulfurylpironl amide, water, filtered, recoverable, micrograms per liter						
62170	Desulfurylpironl, water, filtered, recoverable, micrograms per liter						
62854	Total nitrogen, (NH ₃ -NO ₂ -NO ₃ +Organic), filtered, milligrams per liter						
633790	Perchlorate, water, filtered, recoverable, micrograms per liter	6					
70300	Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter	1500				379	465
70301	Residue, water, filtered, sum of constituents, milligrams per liter					335 E	466 E
70303	Residue, water, filtered, tons per acre-foot						
71846	Ammonia, water, filtered, milligrams per liter as NH ₄					0.032	< 0.026
71851	Nitrate, water, filtered, milligrams per liter					< 0.173	16.2 E
71856	Nitrite, water, filtered, milligrams per liter					0.003 E	0.003 E

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
July 2010**

Code	Sampling date	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
71865	Iodide, water, filtered, milligrams per liter							
71870	Bromide, water, filtered, milligrams per liter							
72019	Depth to water level, feet below land surface							
73547	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, micrograms per liter							
73570	Ethy methacrylate, water, unfiltered, recoverable, micrograms per liter							
75985	Tritium 2-sigma combined uncertainty, water, unfiltered, picocuries per liter							
76002	Rn-222, 2-sigma combined uncertainty, water, unfiltered, picocuries per liter							
77041	Carbon disulfide, water, unfiltered, micrograms per liter							
77093	cis-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter							
77103	n-Butyl methyl ketone, water, unfiltered, recoverable, micrograms per liter							
77128	Styrene, water, unfiltered, recoverable, micrograms per liter							
77135	o-Xylene, water, unfiltered, recoverable, micrograms per liter							
77168	1,1-Dichloropropene, water, unfiltered, recoverable, micrograms per liter							
77170	2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter							
77173	1,3-Dichlorop propane, water, unfiltered, recoverable, micrograms per liter							
77220	2-Ethyltoluene, water, unfiltered, recoverable, micrograms per liter							
77221	1,2,3-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter							
77222	1,2,4-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter							
77223	Isopropylbenzene, water, unfiltered, recoverable, micrograms per liter							
77224	n-Propylbenzene, water, unfiltered, recoverable, micrograms per liter							
77226	1,3,5-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter							
77227	2-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter							
77227	4-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter							
77297	Bromo-chloromethane, water, unfiltered, recoverable, micrograms per liter							
77342	n-Butylbenzene, water, unfiltered, recoverable, micrograms per liter							
77350	sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter							
77353	tert-Butylbenzene, water, unfiltered, recoverable, micrograms per liter							
77356	4-Sopropyltoluene, water, unfiltered, recoverable, micrograms per liter							
77424	Iodomethane, water, unfiltered, recoverable, micrograms per liter							
77443	1,2,3-Trichloropropane, water, unfiltered, recoverable, micrograms per liter							
77562	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter							
77613	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter							
77651	1,2-Dibromoethane, water, unfiltered, recoverable, micrograms per liter							
77662	1,1,2-Trichloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, micrograms per liter							
78032	Methyl tert-butyl ether, water, unfiltered, recoverable, micrograms per liter							
78109	3-Chloropropene, water, unfiltered, recoverable, micrograms per liter							
78133	Isobutyl methyl ketone, water, unfiltered, recoverable, micrograms per liter							
81552	Acetone, water, unfiltered, recoverable, micrograms per liter							
81555	Bromobenzene, water, unfiltered, recoverable, micrograms per liter							
81576	Diethyl ether, water, unfiltered, recoverable, micrograms per liter							
81577	Diisopropyl ether, water, unfiltered, recoverable, micrograms per liter							
81583	Methyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter							
81595	Ethy methyl ketone, water, unfiltered, recoverable, micrograms per liter							
81597	Methyl methacrylate, water, unfiltered, recoverable, micrograms per liter							
81607	Tetrahydrofuran, water, unfiltered, recoverable, micrograms per liter							
82081	C-13/C-12 ratio, water, unfiltered, per mil							
82082	Deuterium/Protium ratio, water, unfiltered, per mil							
82085	Oxygen-18/Oxygen-16 ratio, water, unfiltered, per mil							
82303	Rn-222, water, unfiltered, picocuries per liter							
82346	Ethion, water, filtered, recoverable, micrograms per liter							
82625	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, micrograms per liter							
82630	Metrizobuzin, water, filtered, recoverable, micrograms per liter							
82660	2,6-Diethylaniline, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter							
82661	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter							

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S12W-19A1-6)
July 2010**

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
	Sampling date						
82662	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82664	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82667	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82670	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82673	Benzilarilin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82675	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82676	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82680	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82682	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82683	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82686	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82687	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
85795	m-Xylene plus o-xylene, water, unfiltered, recoverable, micrograms per liter						
90095	Specific conductance, water, unfiltered, laboratory, microsiemens per centimeter at 25 degrees Celsius						
90851	Triholomethanes, water, unfiltered, calc'd, micrograms per liter						
99583	Bisphenol A-d3, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99584	Caffeine-13C, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99585	Decafluorobiphenyl, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99586	Fluoranthene-d10, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99832	1,2-Dichloroethane-d4, surrogate, Schedule 2090, water, unfiltered, percent recovery						
99833	Toluene-d8, surrogate, Schedule 2090, water, unfiltered, percent recovery						
99834	1-Bromo-4-fluorobenzene, surrogate, VOC schedules, water, unfiltered, percent recovery						
99984	Diazinon-d10, surrogate, Schedule 2003, water, filtered, percent recovery						
99995	alpha-HCH-d6, surrogate, Schedule 2003, water, filtered, percent recovery						

Notes:

U.S. EPA STORET numbers correspond to the same as the USGS NWIS data parameter number except as follows:

- (a) MCL shown for U.S. EPA STORET No. 620.
- (b) MCL shown for U.S. EPASTORET No. 951.
- (c) MCL shown for U.S. EPA STORET No. 1002.
- (d) MCL shown for U.S. EPA STORET No. 1007.
- (e) MCL shown for U.S. EPA STORET No. 1012.
- (f) MCL shown for U.S. EPA STORET No. 1027.
- (g) MCL shown for U.S. EPA STORET No. 1034.
- (h) MCL shown for U.S. EPA STORET No. 1042.
- (i) MCL shown for U.S. EPA STORET No. 1059.
- (j) MCL shown for U.S. EPA STORET No. 1067.
- (k) MCL shown for U.S. EPASTORET No. 1077.
- (l) MCL shown for U.S. EPA STORET No. 1092.
- (m) MCL shown for U.S. EPA STORET No. 1097.
- (n) MCL shown for U.S. EPA STORET No. 1105.
- (o) MCL shown for U.S. EPA STORET No. 1147.
- (p) MCL shown for U.S. EPA STORET No. 34247.
- (q) MCL shown for U.S. EPA STORET No. 71850.

Code=Data parameter number used in USGS National Water Information System (NWIS).

E=Estimated.

M=Presence verified but not quantified.

MCL=Maximum Contaminant Level reported by California DHS (May 25, 2007 Database) for U.S. EPA STORET number.

V=Biased results from contamination.

Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S12W-19A1-6)
August 2011

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
Sampling date							8/22/2011
3	Sampling depth, feet						22.8
10	Temperature, water, degrees Celsius						19.8
28	Agency analyzing sample, code						80020
59	Flow rate, instantaneous, gallons per minute						
95	Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius						
191	Hydrogen ion, water, unfiltered, calculated, milligrams per liter						670
300	Dissolved oxygen, water, unfiltered, milligrams per liter						0.00001
400	pH, water, unfiltered, field, standard units						<0.07
403	pH, water, unfiltered, laboratory, standard units						8.0
405	Carbon dioxide, water, unfiltered, milligrams per liter						7.7
453	Bicarbonate, water, filtered, incremental titration, field, milligrams per liter						8.2
602	Total nitrogen, water, filtered, milligrams per liter						7.8
607	Organic nitrogen, water, filtered, milligrams per liter						6.3
608	Ammonia, water, filtered, milligrams per liter as nitrogen						2.4
613	Nitrite, water, filtered, milligrams per liter as nitrogen						1.95
618	Nitrate, water, filtered, milligrams per liter as nitrogen						147
623	Ammonia plus organic nitrogen, water, filtered, milligrams per liter as nitrogen						3.6
631	Nitrate plus nitrite, water, filtered, milligrams per liter as nitrogen						<0.02
660	Orthophosphate, water, filtered, milligrams per liter						0.05
666	Orthophosphorus, water, filtered, milligrams per liter						0.01
671	Orthophosphate, water, filtered, milligrams per liter as phosphorus						<0.01
900	Hardness, water, milligrams per liter as calcium carbonate						<0.01
904	Noncarbon hardness, water filtered field, milligrams per liter as calcium carbonate						<0.01
905	Noncarbon hardness, water filtered lab, milligrams per liter as calcium carbonate						<0.01
915	Calcium, water, filtered, milligrams per liter						35.3
925	Magnesium, water, filtered, milligrams per liter						50.6
930	Sodium, water, filtered, milligrams per liter						95.0
931	Sodium adsorption ratio, water, number						4.43
932	Sodium fraction of cations, water, percent in equivalents of major cations						12.4
935	Potassium, water, filtered, milligrams per liter						95.0
940	Chloride, water, filtered, milligrams per liter						67.5
945	Sulfate, water, filtered, milligrams per liter						4.01
950	Fluoride, water, filtered, milligrams per liter						2.20
955	Silica, water, filtered, milligrams per liter						66
1000	Arsenic, water, filtered, micrograms per liter						4.43
1005	Barium, water, filtered, micrograms per liter						2.14
1010	Beryllium, micrograms per liter						79.5
1020	Boron, water, filtered, micrograms per liter						35.0
1025	Cadmium, micrograms per liter						98.0
1030	Chromium, micrograms per liter						76.7
1035	Cobalt, micrograms per liter						10.0
1040	Copper, micrograms per liter						131
1046	Iron, water, filtered, micrograms per liter						3.3
1049	Lead, micrograms per liter						5 (f)
1056	Manganese, water, filtered, micrograms per liter						50 (g)
1057	Thallium, micrograms per liter						2 (i)
1060	Molybdenum, micrograms per liter						1000 (h)
1065	Nickel, micrograms per liter						300
1075	Silver, micrograms per liter						100 (j)
1080	Strontrium, water, filtered, micrograms per liter						100 (k)
1085	Vanadium, micrograms per liter						321
1090	Zinc, micrograms per liter						295
1095	Antimony, micrograms per liter						5000 (l)
							6 (m)

Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S12W-19A1-6)
August 2011

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
	Sampling date						
1106	Aluminum, water, filtered, micrograms per liter	1000 (n)				8/22/2011	
1130	Lithium, water, filtered, micrograms per liter					5.5	1.8
1145	Selenium, micrograms per liter	50 (o)				8.15	7.16
4022	Terbutylazine, water, filtered, recoverable, micrograms per liter						
4025	Hexazinone, water, filtered, recoverable, micrograms per liter						
4029	Bromacil, water, filtered, recoverable, micrograms per liter						
4035	Simazine, water, filtered, recoverable, micrograms per liter						
4036	Prometryn, water, filtered, recoverable, micrograms per liter						
4037	Prometon, water, filtered, recoverable, micrograms per liter						
4040	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, micrograms per liter						
4095	Fonofos, water, filtered, recoverable, micrograms per liter						
7000	Tritium, water, unfiltered, picocuries per liter						
22703	Uranium, natural, micrograms per liter					118	153
29801	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, milligrams per liter as calcium carbonate						
30217	Dibromomethane, water, unfiltered, recoverable, micrograms per liter						
32101	Bromodichloromethane, water, unfiltered, recoverable, micrograms per liter						
32102	Tetrachloromethane, water, unfiltered, recoverable, micrograms per liter	0.5					
32103	1,2-Dichloroethane, water, unfiltered, recoverable, micrograms per liter						
32104	Tribromomethane, water, unfiltered, recoverable, micrograms per liter						
32105	Dibromo-chloromethane, water, unfiltered, recoverable, micrograms per liter						
32106	Trichloromethane, water, unfiltered, recoverable, micrograms per liter						
34010	Toluene, water, unfiltered, recoverable, micrograms per liter	150					
34030	Benzene, water, unfiltered, recoverable, micrograms per liter		1				
34215	Acrylonitrile, water, unfiltered, recoverable, micrograms per liter						
34221	Anthracene, water, filtered, recoverable, micrograms per liter						
34248	Benzolalpyrene, water, filtered, recoverable, micrograms per liter	0.2 (p)					
34288	Tribromomethane, water, filtered, recoverable, micrograms per liter						
34301	Chlorobenzene, water, unfiltered, recoverable, micrograms per liter			70			
34311	Chloroethane, water, unfiltered, recoverable, micrograms per liter						
34371	Ethylbenzene, water, unfiltered, recoverable, micrograms per liter			300			
34377	Fluoranthene, water, filtered, recoverable, micrograms per liter				5		
34396	Heptachloroethane, water, unfiltered, recoverable, micrograms per liter						
34409	Isophorone, water, filtered, recoverable, micrograms per liter						
34413	Bromomethane, water, unfiltered, recoverable, micrograms per liter						
34418	Chloromethane, water, unfiltered, recoverable, micrograms per liter						
34423	Dichloromethane, water, unfiltered, recoverable, micrograms per liter						
34443	Naphthalene, water, filtered, recoverable, micrograms per liter						
34462	Phenanthrene, water, unfiltered, recoverable, micrograms per liter						
34466	Phenol, water, filtered, recoverable, micrograms per liter						
34470	Pyrene, water, filtered, recoverable, micrograms per liter						
34475	Tetrachloroethene, water, unfiltered, recoverable, micrograms per liter				5		
34476	Tetrachloroethylene, water, filtered, recoverable, micrograms per liter						
34488	Trichlorofluoromethane, water, unfiltered, recoverable, micrograms per liter					150	
34496	1,1-Dichloroethane, water, unfiltered, recoverable, micrograms per liter					5	
34501	1,1-Dichloroethene, water, unfiltered, recoverable, micrograms per liter					6	
34506	1,1,1-Trichloroethane, water, unfiltered, recoverable, micrograms per liter					200	
34511	1,1,2-Trichloroethane, water, unfiltered, recoverable, micrograms per liter					5	
34516	1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter					1	
34536	1,2-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter					600	
34541	1,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter					5	
34546	trans-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter					10	
34551	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter					5	
34566	1,3-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter						

Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S12W-19A1-6)
August 2011

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
Sampling date							8/22/2011
34571	1,4-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter		5				
34572	1,4-Dichlorobenzene, water, filtered, recoverable, micrograms per liter						
34668	Dichlorodifluoromethane, water, unfiltered, recoverable, micrograms per liter						
34696	Naphthalene, water, unfiltered, recoverable, micrograms per liter						
34699	trans-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5					
34704	cis-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5					
38454	Dicrotophos, water, filtered, recoverable, micrograms per liter	0.5					
38775	Dichlorvos, water, filtered, recoverable, micrograms per liter						
38933	Chlorpyrifos, water, filtered, recoverable, micrograms per liter						
39086	Alkalinity, water, filtered, incremental titration, field, milligrams per liter as calcium carbonate	0.5					
39175	Vinyl chloride, water, unfiltered, recoverable, micrograms per liter	5					
39180	Trichloroethene, water, unfiltered, recoverable, micrograms per liter						
39381	Dieldrin, water, filtered, recoverable, micrograms per liter						
39415	Metolachlor, water, filtered, recoverable, micrograms per liter						
39532	Malathion, water, filtered, recoverable, micrograms per liter						
39572	Diazinon, water, filtered, recoverable, micrograms per liter						
39632	Atrazine, water, filtered, recoverable, micrograms per liter						
39702	Hexachlorobutadiene, water, unfiltered, recoverable, micrograms per liter						
46342	Alachlor, water, filtered, recoverable, micrograms per liter						
49260	Acetochlor, water, filtered, recoverable, micrograms per liter						
49295	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
49933	C-14, water, filtered, percent modern						
49934	C-14, counting error, water, filtered, percent modern						
49991	Methyl acylate, water, unfiltered, recoverable, micrograms per liter						
49999	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter						
50000	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter						
50002	Bromoethene, water, unfiltered, recoverable, micrograms per liter						
50004	tert-Butyl ethyl ether, water, unfiltered, recoverable, micrograms per liter						
50005	Methyl tert-pentyl ether, water, unfiltered, recoverable, micrograms per liter						
50305	Caffeine, water, filtered, recoverable, micrograms per liter						
50359	Metolaxyl, water, filtered, recoverable, micrograms per liter						
61209	Perchlorate, water, unfiltered, recoverable, micrograms per liter	6					
61585	Cyfluthrin, water, filtered, recoverable, micrograms per liter						
61586	Cypermethrin, water, filtered, recoverable, micrograms per liter						
61591	Fenamiphos, water, filtered, recoverable, micrograms per liter						
61593	Iprodione, water, filtered, recoverable, micrograms per liter						
61594	Isofenphos, water, filtered, recoverable, micrograms per liter						
61596	Metolaxyl, water, filtered, recoverable, micrograms per liter						
61598	Methidathion, water, filtered, recoverable, micrograms per liter						
61599	Myclobutanil, water, filtered, recoverable, micrograms per liter						
61601	Phosmet, water, filtered, recoverable, micrograms per liter						
61610	Tribufrophos, water, filtered, recoverable, micrograms per liter						
61618	2-Chloro-2,6-diethylacetanilide, water, filtered, recoverable, micrograms per liter						
61620	2-Ethyl-6-methoxyline, water, filtered, recoverable, micrograms per liter						
61625	3,4-Dichloroaniline, water, filtered, recoverable, micrograms per liter						
61633	4-Chloro-2-methylphenol, water, filtered, recoverable, micrograms per liter						
61635	Zinphos-methyl oxygen analog, water, filtered, recoverable, micrograms per liter						
61636	Chlorpyrifos, oxygen analog, water, filtered, recoverable, micrograms per liter						
61644	Ethion monoxon, water, filtered, recoverable, micrograms per liter						
61645	Fenamiphos sulfone, water, filtered, recoverable, micrograms per liter						
61646	Fenamiphos sulfoxide, water, filtered, recoverable, micrograms per liter						
61652	Malaoxon, water, filtered, recoverable, micrograms per liter						
61664	Methyl paraoxon, water, filtered, recoverable, micrograms per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S12W-19A1-6)
August 2011**

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
	Sampling date						
61666	Phorate oxygen analog, water, filtered, recoverable, micrograms per liter						
61668	Phosmet oxygen analog, water, filtered, recoverable, micrograms per liter						
61674	Terbutios oxygen analog sulfone, water, filtered, recoverable, micrograms per liter						
61705	Diethoxyoctylphenol, water, filtered, recoverable, micrograms per liter						
61706	Monooethoxyoctylphenol, water, filtered, recoverable, micrograms per liter						
62005	Cotinine, water, filtered, recoverable, micrograms per liter						
62054	1-Methylnaphthalene, water, filtered, recoverable, micrograms per liter						
62055	2,6-Dimethylnaphthalene, water, filtered, recoverable, micrograms per liter						
62056	2-Methylnaphthalene, water, filtered, recoverable, micrograms per liter						
62057	3-beta-Coprostanol, water, filtered, recoverable, micrograms per liter						
62058	3-Methyl-1H-indole, water, filtered, recoverable, micrograms per liter						
62059	3-tert-Butyl-4-hydroxyanisole, water, filtered, recoverable, micrograms per liter						
62060	4-Cumylphenol, water, filtered, recoverable, micrograms per liter						
62061	4-Octylphenol, water, filtered, recoverable, micrograms per liter						
62062	4-tert-Octylphenol, water, filtered, recoverable, micrograms per liter						
62063	5-Methyl-1H-benzotriazole, water, filtered, recoverable, micrograms per liter						
62064	Acetophenone, water, filtered, recoverable, micrograms per liter						
62065	Acetyl hexamethyl tetrahydro naphthalene, water, filtered, recoverable, micrograms per liter						
62066	9,10-Anthraquinone, water, filtered, recoverable, micrograms per liter						
62067	Benzophenone, water, filtered, recoverable, micrograms per liter						
62068	beta-Sitosterol, water, filtered, recoverable, micrograms per liter						
62070	Camphor, water, filtered, recoverable, micrograms per liter						
62071	Carbazole, water, filtered, recoverable, micrograms per liter						
62072	Cholesterol, water, filtered, recoverable, micrograms per liter						
62073	D-Limonene, water, filtered, recoverable, micrograms per liter						
62075	Hexahydrohexamethyl cyclopentabenzopyran, water, filtered, recoverable, micrograms per liter						
62076	Indole, water, filtered, recoverable, micrograms per liter						
62077	Isoborneol, water, filtered, recoverable, micrograms per liter						
62078	Isopropylbenzene, water, filtered, recoverable, micrograms per liter						
62079	Isoquinoline, water, filtered, recoverable, micrograms per liter						
62080	Menthol, water, filtered, recoverable, micrograms per liter						
62081	Methyl salicylate, water, filtered, recoverable, micrograms per liter						
62082	DEET, water, filtered, recoverable, micrograms per liter						
62083	Diethoxynonylphenol, water, filtered, recoverable, micrograms per liter						
62084	p-Cresol, water, filtered, recoverable, micrograms per liter						
62085	4-Nonylphenol, water, filtered, recoverable, micrograms per liter						
62086	beta-Stigmastanol, water, filtered, recoverable, micrograms per liter						
62087	Tris(2-chloroethyl) phosphate, water, filtered, recoverable, micrograms per liter						
62088	Tris(dichloroisopropyl) phosphate, water, filtered, recoverable, micrograms per liter						
62089	Tributyl phosphate, water, filtered, recoverable, micrograms per liter						
62090	Triclosan, water, filtered, recoverable, micrograms per liter						
62091	Triethyl citrate, water, filtered, recoverable, micrograms per liter						
62092	Triphenyl phosphate, water, filtered, recoverable, micrograms per liter						
62093	Tris(2-butoxyethyl) phosphate, water, filtered, recoverable, micrograms per liter						
62166	Fipronil, water, filtered, recoverable, micrograms per liter						
62167	Fipronil sulfide, water, filtered, recoverable, micrograms per liter						
62168	Fipronil sulfone, water, filtered, recoverable, micrograms per liter						
62169	Desulfuriflypronil amide, water, filtered, recoverable, micrograms per liter						
62170	Desulfuriflypronil, water, filtered, recoverable, micrograms per liter						
62854	Total nitrogen, (NH3+NO2+NO3)-Organic), filtered, milligrams per liter						
63790	Perchlorate, water, filtered, recoverable, micrograms per liter						
70300	Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter						
70301	Residue, water, filtered, sum of constituents, milligrams per liter						
						418	412
						385	410

Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
August 2011

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
	Sampling date						
70303	Residue, water, filtered, tons per acre-foot						
71846	Ammonia, water, filtered, milligrams per liter as NH4						
71851	Nitrate, water, filtered, milligrams per liter	45 (q)					
71855	Nitrite, water, filtered, milligrams per liter						
71865	Iodide, water, filtered, milligrams per liter						
71870	Bromide, water, filtered, milligrams per liter						
72019	Depth to water level, feet below land surface						
73547	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, micrograms per liter						
73570	Ethyl methacrylate, water, unfiltered, recoverable, micrograms per liter						
75985	Tritium 2-sigma combined uncertainty, water, unfiltered, picocuries per liter						
76002	Rn-222, 2-sigma combined uncertainty, water, unfiltered, picocuries per liter						
77041	Carbon disulfide, water, unfiltered, micrograms per liter						
77093	cis-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter						
77103	n-Butyl methyl ketone, water, unfiltered, recoverable, micrograms per liter						
77128	Styrene, water, unfiltered, recoverable, micrograms per liter						
77135	o-Xylene, water, unfiltered, recoverable, micrograms per liter	100					
77168	1,1-Dichloropropene, water, unfiltered, recoverable, micrograms per liter						
77170	2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter						
77173	1,3-Dichloropane, water, unfiltered, recoverable, micrograms per liter						
77220	2-Ethyltoluene, water, unfiltered, recoverable, micrograms per liter						
77221	1,2,3-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter						
77222	1,2,4-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter						
77223	Isopropylbenzene, water, unfiltered, recoverable, micrograms per liter						
77224	n-Propylbenzene, water, unfiltered, recoverable, micrograms per liter						
77226	1,3,5-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter						
77227	2-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter						
77228	tert-Butylbenzene, water, unfiltered, recoverable, micrograms per liter						
77229	4-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter						
77234	Bromochloromethane, water, unfiltered, recoverable, micrograms per liter						
77342	n-Butylbenzene, water, unfiltered, recoverable, micrograms per liter						
77350	sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter						
77353	tert-Butylbenzene, water, unfiltered, recoverable, micrograms per liter						
77356	4-Isopropyltoluene, water, unfiltered, recoverable, micrograms per liter						
77424	Iodomethane, water, unfiltered, recoverable, micrograms per liter						
77443	1,2,3-Trichloropropene, water, unfiltered, recoverable, micrograms per liter						
77562	1,1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter						
77613	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter						
77651	1,2-Dibromoethane, water, unfiltered, recoverable, micrograms per liter	0.05					
77652	1,1,2,2-Tetrachloro-1,2-difluoroethane, water, unfiltered, recoverable, micrograms per liter						
78032	Methyl tert-butyl ether, water, unfiltered, recoverable, micrograms per liter						
78109	3-Chloropropene, water, unfiltered, recoverable, micrograms per liter						
78133	Isobutyl methyl ketone, water, unfiltered, recoverable, micrograms per liter						
81552	Acetone, water, unfiltered, recoverable, micrograms per liter						
81555	Bromobenzene, water, unfiltered, recoverable, micrograms per liter						
81576	Diethyl ether, water, unfiltered, recoverable, micrograms per liter						
81577	Diisopropyl ether, water, unfiltered, recoverable, micrograms per liter						
81593	Methyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter						
81595	Ethyl methyl ketone, water, unfiltered, recoverable, micrograms per liter						
81597	Methyl methacrylate, water, unfiltered, recoverable, micrograms per liter						
81607	Tetrahydrofuran, water, unfiltered, per mil						
82081	C-3/C-12 ratio, water, unfiltered, per mil						
82082	Deuterium/Potassium ratio, water, unfiltered, per mil						
82085	Oxygen-18/Oxygen-16 ratio, water, unfiltered, per mil						
82303	Rn-222, water, unfiltered, picocuries per liter						

Water Quality Data for Multiple Depth Monitoring Well
Pala Park Well (8S2W-19A1-6)
August 2011

Code	Parameter	MCL	Well A1	Well A2	Well A3	Well A4	Well A5
	Sampling date						
82346	Ethion, water, filtered, recoverable, micrograms per liter						
82625	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, micrograms per liter						
82630	Metribuzin, water, filtered, recoverable, micrograms per liter						
82660	2,6-Diethylaniline, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82661	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82662	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82664	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82667	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82670	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82673	Benzfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82675	Terbutos, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82676	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82680	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82682	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82683	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82686	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82687	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
85795	m-Xylene plus p-xylene, water, unfiltered, recoverable, micrograms per liter						
90095	Specific conductance, water, unfiltered, laboratory, micrograms per centimeter at 25 degrees Celsius						
90851	Triholomethanes, water, unfiltered, calcd, micrograms per liter						
99583	Bisphenol A-d3, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99584	Caffeine-13C, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99585	Decafluorobiphenyl, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99586	Fluoranthene-d10, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99832	1,2-Dichloroethane-d4, surrogate, Schedule 2090, water, unfiltered, percent recovery						
99833	Toluene-d8, surrogate, Schedule 2090, water, unfiltered, percent recovery						
99834	1-Bromo-4-fluorobenzene, surrogate, VOC schedules, water, unfiltered, percent recovery						
99994	Diazinon-d10, surrogate, Schedule 2003, water, filtered, percent recovery						
99995	alpha-HCH-d6, surrogate, Schedule 2003, water, filtered, percent recovery						

Notes:

U.S. EPA STORET numbers for MCLs correspond to the same as the USGS NWIS data parameter number except as follows:

- (a) MCL shown for U.S. EPA STORET No. 620.
- (b) MCL shown for U.S. EPA STORET No. 951.
- (c) MCL shown for U.S. EPA STORET No. 1002.
- (d) MCL shown for U.S. EPA STORET No. 1007.
- (e) MCL shown for U.S. EPA STORET No. 1012.
- (f) MCL shown for U.S. EPA STORET No. 1027.
- (g) MCL shown for U.S. EPA STORET No. 1034.
- (h) MCL shown for U.S. EPA STORET No. 1042.
- (i) MCL shown for U.S. EPA STORET No. 1059.
- (j) MCL shown for U.S. EPA STORET No. 1067.
- (k) MCL shown for U.S. EPA STORET No. 1077.
- (l) MCL shown for U.S. EPA STORET No. 1092.
- (m) MCL shown for U.S. EPA STORET No. 1097.
- (n) MCL shown for U.S. EPA STORET No. 1105.
- (o) MCL shown for U.S. EPA STORET No. 1147.
- (p) MCL shown for U.S. EPA STORET No. 34247.
- (q) MCL shown for U.S. EPA STORET No. 71850.

Code--Data parameter number used in USGS National Water Information System (NWIS).

E--Estimated.

M--Presence verified but not quantified.

MCL--Maximum Contaminant Level reported by California DHS (May 25, 2007 Database) for U.S. EPA STORET number.

V--Biased results from contamination.

ANNUAL REPORT

**COOPERATIVE WATER RESOURCE
MANAGEMENT AGREEMENT**

CALENDAR YEAR 2015

APPENDIX C-2

WOLF VALLEY GROUNDWATER MONITORING WELL

Site Description Wolf Valley Groundwater Monitoring Well (8S/2W-20J1-2)

LOCATION: Latitude 33° 27' 47.53", longitude 117° 06' 15.58" (NAD83) in Riverside County, California. Well is located southeast of Temecula in Wolf Valley, adjacent to the north side of Wolf Valley Road, approximately 1,670 feet east of Pala-Temecula Highway.

SITE INFORMATION: Land-surface altitude is 1078.78 feet above mean sea level (NAVD88).

WATER-LEVEL RECORD:

State well number	USGS station number	Intermittent water-level	Daily water-level
8S/2W-20J1	332747117061101	03/05/1990 to present	10/18/2006 to present
8S/2W-20J2	332747117061102	03/05/1990 to present	10/23/2010 to present

TOPOGRAPHIC MAP: USGS Pechanga, California, 7.5 minute series.

WELL SUMMARY INFORMATION:

State well number	USGS station number	Hole depth (ft)	Perforation depth (ft)	Casing size and type	Date drilled
8S/2W-20J1	332747117061101	590	555-575	2" PVC	2/17/1990
8S/2W-20J2	332747117061102	590	160-180	2" PVC	2/18/1990

ADDITIONAL INFORMATION:

Additional information can be found at the following web site:
<http://ca.water.usgs.gov/temecula/>.

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WELL CONSTRUCTION
MONITORING WELLS WV5-20J1 and WV5-20J2

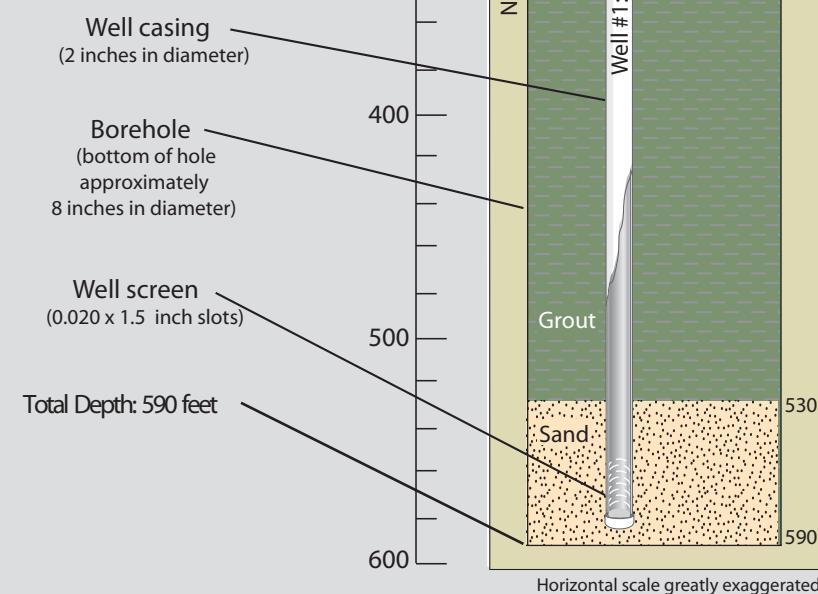


View of vault located in grass, looking West.

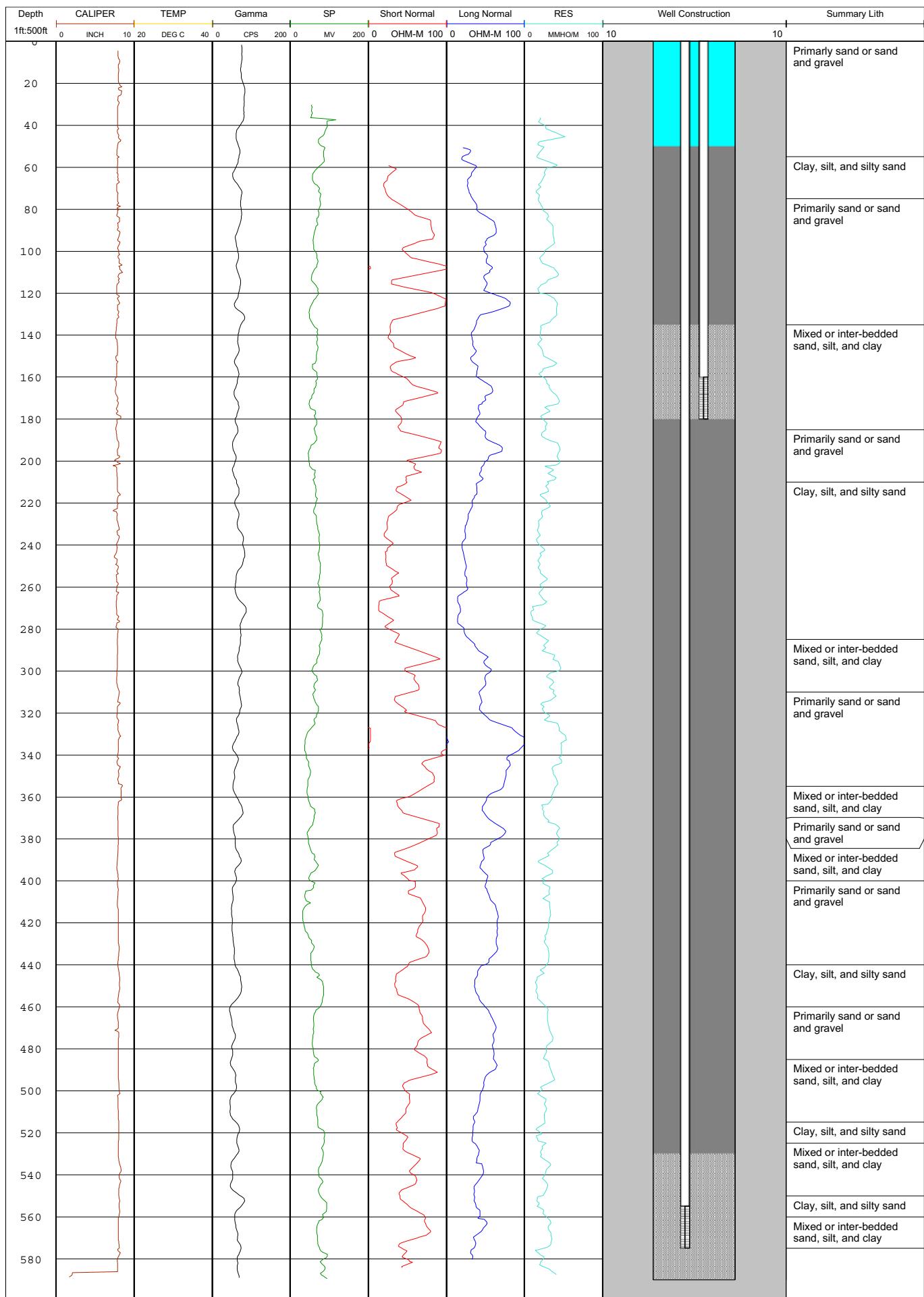


View of wells inside vault.

Drill method: hydraulic mud rotary



Source: USGS California Water Science Center.

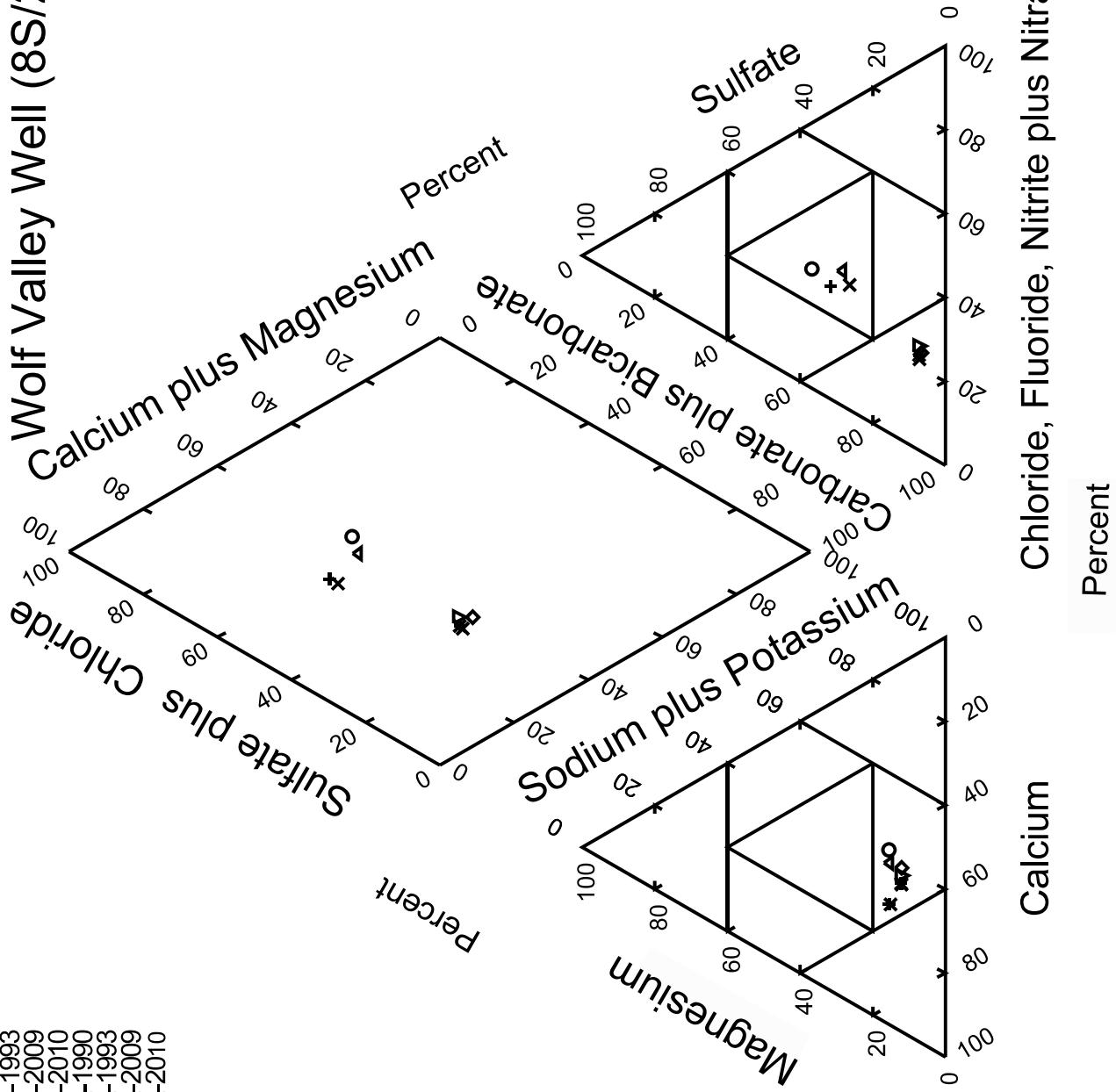


Tri-Linear Diagram

Wolf Valley Well (8S/2W-20J1-2)

Explanation

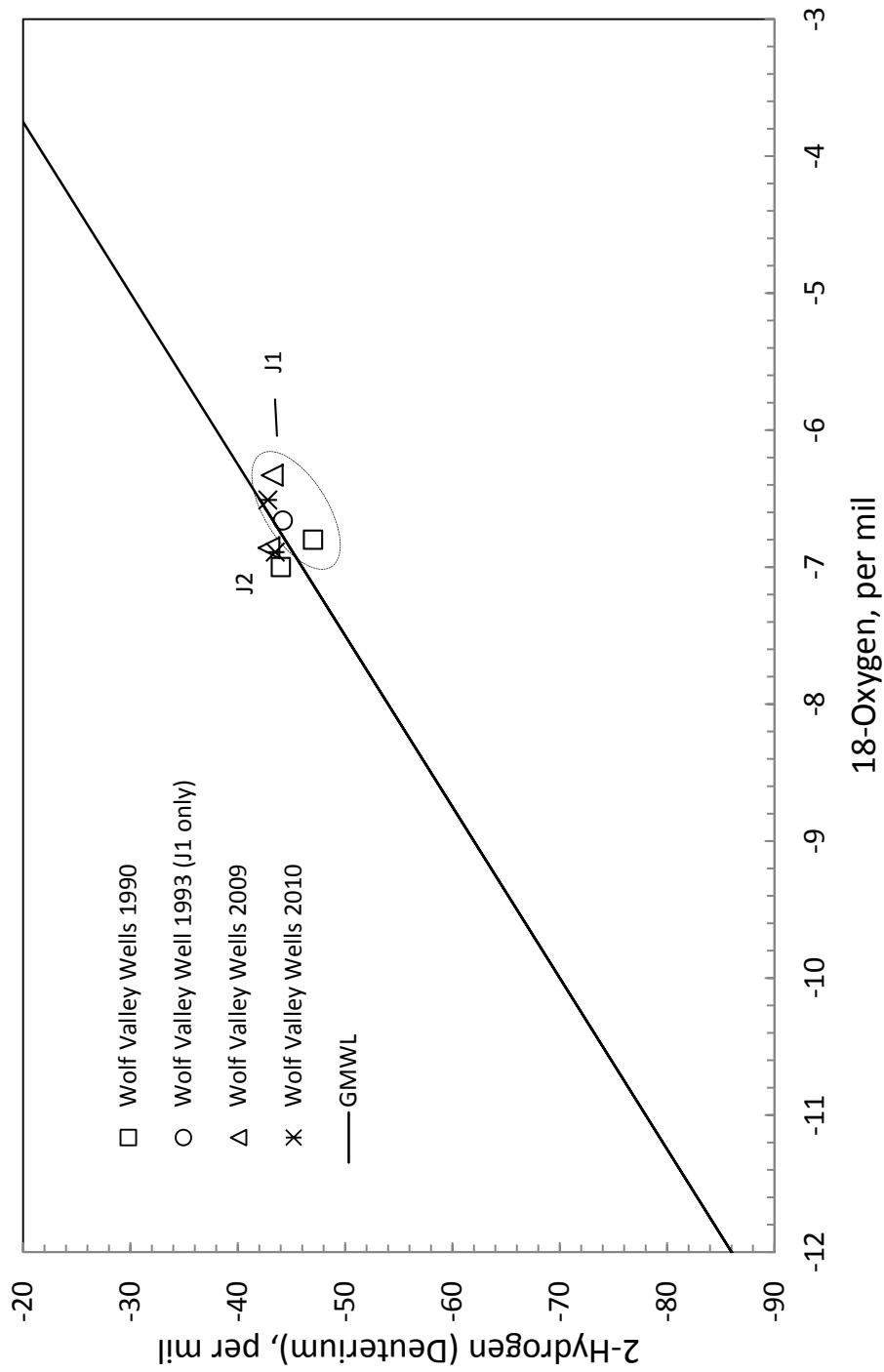
- J1-1990
- ▲ J1-1993
- ◆ J1-2009
- △ J1-2010
- ◇ J2-1990
- ◆ J2-2009
- ✖ J2-2010



Source: USGS California Water Science Center.

Stable Isotope Diagram

Wolf Valley Monitoring Wells



Source: USGS California Water Science Center.

Piezometric Head for Multiple Depth Monitoring Well
Wolf Valley Well (8S/2W-20J1-2)

March 1990 through December 2015

Well 20J1			Well 20J2		
Date	Depth (feet)	Elevation (feet, MSL)	Date	Depth (feet)	Elevation (feet, MSL)
Mar 5 1990	73.70	1005.08	Mar 5 1990	62.47	1016.31
Mar 15 1990	73.93	1004.85	Mar 15 1990	62.41	1016.37
May 3 1990			May 3 1990	62.21	1016.57
May 18 1990	72.93	1005.85			
Jul 3 1990	72.52	1006.26	Jul 3 1990	61.88	1016.90
Aug 2 1990	72.44	1006.34	Aug 2 1990	61.80	1016.98
Aug 15 1990	72.28	1006.50	Aug 15 1990	61.65	1017.13
Oct 31 1990	72.03	1006.75	Oct 31 1990	61.32	1017.46
Nov 14 1990	71.86	1006.92	Nov 14 1990	61.23	1017.55
Nov 29 1990	71.84	1006.94	Nov 29 1990	61.20	1017.58
Dec 10 1990	71.69	1007.09	Dec 10 1990	61.13	1017.65
Dec 19 1990			Dec 19 1990	61.12	1017.66
Jan 18 1991	71.48	1007.30	Jan 18 1991	61.06	1017.72
Jan 22 1991	71.43	1007.35	Jan 22 1991	61.05	1017.73
Jan 24 1991			Jan 24 1991	61.09	1017.69
Feb 6 1991	71.43	1007.35	Feb 6 1991	61.03	1017.75
Feb 22 1991	71.47	1007.31	Feb 22 1991	61.05	1017.73
Mar 6 1991	70.81	1007.97	Mar 6 1991	61.03	1017.75
Apr 12 1991	69.62	1009.16	Apr 12 1991	60.64	1018.14
Apr 26 1991			Apr 26 1991	60.50	1018.28
May 24 1991	69.40	1009.38	May 24 1991	60.43	1018.35
May 30 1991	69.43	1009.35	May 30 1991	60.38	1018.40
Jun 13 1991	69.62	1009.16	Jun 13 1991	60.40	1018.38
Jul 31 1991	69.76	1009.02	Jul 31 1991	60.35	1018.43
Aug 20 1991	69.76	1009.02	Aug 20 1991	60.29	1018.49
Nov 8 1991	70.15	1008.63	Nov 8 1991	60.49	1018.29
Nov 26 1991	70.17	1008.61	Nov 26 1991	60.57	1018.21
Dec 12 1991	70.28	1008.50	Dec 12 1991	60.67	1018.11
Jan 10 1992	70.03	1008.75	Jan 10 1992	60.68	1018.10
Jan 27 1992	70.01	1008.77	Jan 27 1992	60.74	1018.04
Feb 7 1992	69.81	1008.97	Feb 7 1992	60.73	1018.05
Feb 23 1992			Feb 23 1992	60.65	1018.13
Feb 28 1992	68.56	1010.22	Feb 28 1992		
Mar 13 1992	69.30	1009.48	Mar 13 1992	60.61	1018.17
Apr 10 1992	68.90	1009.88	Apr 10 1992	60.47	1018.31
May 1 1992	68.87	1009.91	May 1 1992	60.39	1018.39
May 28 1992	68.84	1009.94	May 28 1992	60.33	1018.45
Jun 19 1992	69.05	1009.73	Jun 19 1992	60.33	1018.45
Jul 15 1992	69.44	1009.34	Jul 15 1992	60.42	1018.36
Jul 23 1992	69.41	1009.37	Jul 23 1992	60.46	1018.32
Sep 1 1992	69.77	1009.01	Sep 1 1992	60.61	1018.17
Sep 17 1992	69.86	1008.92	Sep 17 1992	60.67	1018.11
Oct 15 1992	70.26	1008.52	Oct 15 1992	60.93	1017.85
Nov 17 1992	70.08	1008.70	Nov 17 1992	60.85	1017.93
Dec 30 1992	69.85	1008.93	Dec 30 1992	60.95	1017.83

Piezometric Head for Multiple Depth Monitoring Well
Wolf Valley Well (8S/2W-20J1-2)

March 1990 through December 2015

Well 20J1			Well 20J2		
Date	Depth (feet)	Elevation (feet, MSL)	Date	Depth (feet)	Elevation (feet, MSL)
Mar 16 1993	63.73	1015.05	Mar 16 1993	58.84	1019.94
Mar 22 1993	63.61	1015.17	Mar 22 1993	58.58	1020.20
Apr 13 1993	63.65	1015.13	Apr 13 1993	57.55	1021.23
Apr 22 1993	63.74	1015.04	Apr 22 1993	57.15	1021.63
Jul 1 1994	62.34	1016.44	Jul 1 1994		
Jul 28 1994	62.55	1016.23	Jul 28 1994		
Aug 17 1994	65.62	1013.16	Aug 17 1994		
Sep 1 1994	66.45	1012.33	Sep 1 1994		
Oct 3 1994	65.90	1012.88	Oct 3 1994		
Nov 1 1994	66.99	1011.79	Nov 1 1994		
Dec 6 1994	63.50	1015.28	Dec 6 1994		
Jan 4 1995	64.40	1014.38	Jan 4 1995		
Feb 7 1995	64.18	1014.60	Feb 7 1995		
Jul 21 1995	72.10	1006.68	Jul 21 1995		
Aug 11 1995	73.65	1005.13	Aug 11 1995		
Sep 5 1995	73.00	1005.78	Sep 5 1995		
Oct 3 1995	72.00	1006.78	Oct 3 1995		
Nov 3 1995	74.02	1004.76	Nov 3 1995		
Dec 4 1995	67.87	1010.91	Dec 4 1995		
Jan 3 1996	69.95	1008.83	Jan 3 1996		
Feb 8 1996	67.85	1010.93	Feb 8 1996		
Mar 18 1996	66.94	1011.84	Mar 18 1996		
Apr 15 1996	72.15	1006.63	Apr 15 1996		
May 1 1996	73.02	1005.76	May 1 1996		
Jun 3 1996	74.82	1003.96	Jun 3 1996		
Jul 10 1996	68.73	1010.05	Jul 10 1996		
Aug 2 1996	71.06	1007.72	Aug 2 1996		
Sep 3 1996	76.29	1002.49	Sep 3 1996		
Oct 18 1996	70.85	1007.93	Oct 18 1996	48.14	1030.64
Nov 4 1996	71.23	1007.55	Nov 4 1996	48.35	1030.43
Dec 3 1996	75.12	1003.66	Dec 3 1996	48.21	1030.57
Jan 24 1997	69.65	1009.13	Jan 24 1997	48.72	1030.06
Feb 19 1997	75.90	1002.88	Feb 19 1997	48.63	1030.15
Mar 13 1997	81.92	996.86	Mar 13 1997	48.99	1029.79
Apr 9 1997	83.98	994.80	Apr 9 1997	49.62	1029.16
May 5 1997	87.42	991.36	May 5 1997	50.33	1028.45
Jun 2 1997	81.72	997.06	Jun 2 1997	51.06	1027.72
Jul 21 1997	86.62	992.16	Jul 21 1997	51.95	1026.83
Aug 15 1997	91.15	987.63	Aug 15 1997	52.58	1026.20
Sep 9 1997	87.44	991.34	Sep 9 1997	52.67	1026.11
Oct 16 1997	84.70	994.08	Oct 16 1997	53.58	1025.20
Nov 7 1997	91.69	987.09	Nov 7 1997	53.87	1024.91
Dec 12 1997	86.83	991.95	Dec 12 1997	54.82	1023.96

Piezometric Head for Multiple Depth Monitoring Well
Wolf Valley Well (8S/2W-20J1-2)

March 1990 through December 2015

Well 20J1			Well 20J2		
Date	Depth (feet)	Elevation (feet, MSL)	Date	Depth (feet)	Elevation (feet, MSL)
Jan 23 1998	92.59	986.19	Jan 23 1998	55.23	1023.55
Mar 2 1998	86.91	991.87	Mar 2 1998	55.80	1022.98
Apr 8 1998	80.32	998.46	Apr 8 1998	55.09	1023.69
May 1 1998	91.32	987.46	May 1 1998	54.99	1023.79
Jun 2 1998	86.85	991.93	Jun 2 1998	55.38	1023.40
Jul 2 1998	87.34	991.44	Jul 2 1998	55.59	1023.19
Aug 11 1998	95.88	982.90	Aug 11 1998	56.08	1022.70
Sep 10 1998	92.12	986.66	Sep 10 1998	56.83	1021.95
Oct 16 1998	92.14	986.64	Oct 16 1998	57.39	1021.39
Nov 23 1998	100.48	978.30	Nov 23 1998	57.68	1021.10
Dec 7 1998	103.96	974.82	Dec 7 1998	57.95	1020.83
Jan 5 1999	107.46	971.32	Jan 5 1999	58.41	1020.37
Feb 1 1999	111.16	967.62	Feb 1 1999	59.07	1019.71
Mar 1 1999	102.08	976.70	Mar 1 1999	59.73	1019.05
Apr 8 1999	111.12	967.66	Apr 8 1999	60.67	1018.11
May 3 1999	119.83	958.95	May 3 1999		
Jun 10 1999	106.93	971.85	Jun 10 1999	62.43	1016.35
Jul 1 1999	111.31	967.47	Jul 1 1999	62.71	1016.07
Aug 3 1999	113.81	964.97	Aug 3 1999	63.75	1015.03
Sep 8 1999	113.84	964.94	Sep 8 1999	65.02	1013.76
Oct 15 1999	119.21	959.57	Oct 15 1999	65.73	1013.05
Nov 12 1999	116.71	962.07	Nov 12 1999	66.63	1012.15
Dec 14 1999	108.04	970.74	Dec 14 1999	66.94	1011.84
Jan 6 2000	109.89	968.89	Jan 6 2000	67.48	1011.30
Feb 9 2000	132.67	946.11	Feb 9 2000	67.99	1010.79
Mar 13 2000	121.62	957.16	Mar 13 2000	68.27	1010.51
Apr 3 2000	129.77	949.01	Apr 3 2000	68.94	1009.84
May 9 2000	143.04	935.74	May 9 2000	69.66	1009.12
Jun 5 2000	150.23	928.55	Jun 5 2000	70.35	1008.43
Jul 6 2000	134.48	944.30	Jul 6 2000	71.36	1007.42
Aug 1 2000	135.96	942.82	Aug 1 2000	71.74	1007.04
Sep 6 2000	135.44	943.34	Sep 6 2000	72.77	1006.01
Oct 4 2000	134.43	944.35	Oct 4 2000	72.36	1006.42
Nov 7 2000	153.91	924.87	Nov 7 2000	73.74	1005.04
Dec 6 2000	146.64	932.14	Dec 6 2000	74.68	1004.10
Jan 4 2001	143.95	934.83	Jan 4 2001	75.26	1003.52
Feb 1 2001	132.28	946.50	Feb 1 2001	75.66	1003.12
Mar 13 2001	124.13	954.65	Mar 13 2001	75.94	1002.84
Apr 6 2001	129.01	949.77	Apr 6 2001	76.32	1002.46
May 4 2001	130.43	948.35	May 4 2001	76.64	1002.14
Jun 7 2001	135.71	943.07	Jun 7 2001	76.81	1001.97
Jul 3 2001	137.36	941.42	Jul 3 2001	77.23	1001.55
Aug 2 2001	140.92	937.86	Aug 2 2001	77.96	1000.82
Sep 6 2001	158.00	920.78	Sep 6 2001	78.55	1000.23
Oct 3 2001	152.81	925.97	Oct 3 2001	78.94	999.84
Nov 1 2001	151.35	927.43	Nov 1 2001	79.48	999.30
Dec 5 2001	143.25	935.53	Dec 5 2001	80.14	998.64

Piezometric Head for Multiple Depth Monitoring Well
Wolf Valley Well (8S/2W-20J1-2)

March 1990 through December 2015

Well 20J1			Well 20J2		
Date	Depth (feet)	Elevation (feet, MSL)	Date	Depth (feet)	Elevation (feet, MSL)
Jan 4 2002	143.98	934.80	Jan 4 2002	80.69	998.09
Feb 13 2002	150.03	928.75	Feb 13 2002	81.22	997.56
Mar 5 2002	147.77	931.01	Mar 5 2002	81.47	997.31
Apr 2 2002	152.97	925.81	Apr 2 2002	82.04	996.74
May 1 2002	150.81	927.97	May 1 2002	82.23	996.55
Jun 3 2002	155.46	923.32	Jun 3 2002	82.63	996.15
Jul 2 2002	158.38	920.40	Jul 2 2002	83.15	995.63
Aug 1 2002	162.28	916.50	Aug 1 2002	83.44	995.34
Sep 3 2002	159.45	919.33	Sep 3 2002	83.88	994.90
Oct 3 2002	160.66	918.12	Oct 3 2002	84.35	994.43
Nov 1 2002	162.89	915.89	Nov 1 2002	84.83	993.95
Dec 2 2002	156.42	922.36	Dec 2 2002	85.20	993.58
Jan 10 2003	155.53	923.25	Jan 10 2003	85.75	993.03
Feb 4 2003	164.96	913.82	Feb 4 2003	86.02	992.76
Mar 3 2003	155.96	922.82	Mar 3 2003	86.33	992.45
Apr 2 2003	159.33	919.45	Apr 2 2003	86.72	992.06
May 1 2003	158.53	920.25	May 1 2003	86.98	991.80
Jun 2 2003	149.29	929.49	Jun 2 2003	87.22	991.56
Jul 7 2003	143.93	934.85	Jul 7 2003	87.60	991.18
Aug 1 2003	141.10	937.68	Aug 1 2003	87.79	990.99
Sep 2 2003	136.78	942.00	Sep 2 2003	88.02	990.76
Oct 3 2003	134.60	944.18	Oct 3 2003	88.15	990.63
Nov 3 2003	133.73	945.05	Nov 3 2003	88.33	990.45
Dec 5 2003	139.10	939.68	Dec 5 2003	88.40	990.38
Jan 15 2004	129.79	948.99	Jan 15 2004	88.51	990.27
Feb 12 2004	125.73	953.05	Feb 12 2004	88.70	990.08
Mar 8 2004	123.92	954.86	Mar 8 2004	88.62	990.16
Apr 13 2004	123.18	955.60	Apr 13 2004	88.61	990.17
May 10 2004	141.40	937.38	May 10 2004	88.82	989.96
Jun 1 2004	150.23	928.55	Jun 1 2004	88.68	990.10
Jul 1 2004	149.29	929.49	Jul 1 2004	88.93	989.85
Aug 2 2004	158.11	920.67	Aug 2 2004	89.15	989.63
Sep 1 2004	165.49	913.29	Sep 1 2004	89.40	989.38
Oct 1 2004	166.51	912.27	Oct 1 2004	89.69	989.09
Nov 3 2004	161.96	916.82	Nov 3 2004	89.87	988.91
Dec 8 2004	156.68	922.10	Dec 8 2004	90.29	988.49
Jan 4 2005	152.09	926.69	Jan 4 2005	90.31	988.47
Feb 4 2005	147.52	931.26	Feb 4 2005	90.28	988.50
Mar 2 2005	137.32	941.46	Mar 2 2005	90.02	988.76
Apr 8 2005	143.64	935.14	Apr 8 2005	89.22	989.56
May 9 2005	145.00	933.78	May 9 2005	88.24	990.54
Jun 9 2005	168.88	909.90	Jun 9 2005	87.40	991.38
Jul 11 2005	161.44	917.34	Jul 11 2005	86.73	992.05
Aug 2 2005	161.15	917.63	Aug 2 2005	86.31	992.47
Sep 2 2005	144.41	934.37	Sep 2 2005	85.83	992.95
Oct 7 2005	145.01	933.77	Oct 7 2005	85.22	993.56
Nov 4 2005	140.62	938.16	Nov 4 2005	84.82	993.96
Dec 9 2005	132.75	946.03	Dec 9 2005	84.31	994.47

Piezometric Head for Multiple Depth Monitoring Well
Wolf Valley Well (8S/2W-20J1-2)

March 1990 through December 2015

Well 20J1			Well 20J2		
Date	Depth (feet)	Elevation (feet, MSL)	Date	Depth (feet)	Elevation (feet, MSL)
Jan 11 2006	128.07	950.71	Jan 11 2006	83.96	994.82
Feb 10 2006	141.72	937.06	Feb 10 2006	83.74	995.04
Mar 7 2006	129.78	949.00	Mar 7 2006	83.45	995.33
Apr 7 2006	123.89	954.89	Apr 7 2006	83.21	995.57
May 5 2006	133.10	945.68	May 5 2006	82.92	995.86
Jun 1 2006	126.68	952.10	Jun 1 2006	82.56	996.22
Jul 6 2006	142.38	936.40	Jul 6 2006	82.18	996.60
Aug 3 2006	145.94	932.84	Aug 3 2006	82.01	996.77
Sep 7 2006	156.98	921.80	Sep 7 2006	81.75	997.03
Sep 26 2006	157.61	921.17	Sep 26 2006		
Oct 13 2006	157.53	921.25	Oct 13 2006	81.70	997.08
Nov 7 2006	158.94	919.84	Nov 7 2006	81.71	997.07
Nov 17 2006	160.83	917.95	Nov 17 2006		
Dec 7 2006	178.24	900.54	Dec 7 2006	81.81	996.97
Dec 21 2006	161.13	917.65	Dec 21 2006		
Jan 3 2007	158.33	920.45	Jan 3 2007	81.96	996.82
Feb 2 2007	167.16	911.62	Feb 2 2007	82.13	996.65
Mar 7 2007	159.04	919.74	Mar 7 2007	82.21	996.57
Apr 5 2007	170.12	908.66	Apr 5 2007	82.21	996.57
Apr 5 2007	169.77	909.01	Apr 5 2007		
Apr 6 2007	167.92	910.86	Apr 6 2007		
Apr 9 2007	167.88	910.90	Apr 9 2007		
May 1 2007	171.87	906.91	May 1 2007	82.20	996.58
Jun 1 2007	156.08	922.70	Jun 1 2007	82.21	996.57
Jul 10 2007	164.26	914.52	Jul 10 2007		
Jul 11 2007			Jul 11 2007	82.19	996.59
Aug 6 2007	168.06	910.72	Aug 6 2007	82.12	996.66
Sep 14 2007	174.97	903.81	Sep 14 2007	82.37	996.41
Oct 3 2007	173.28	905.50	Oct 3 2007	82.36	996.42
Nov 7 2007	180.53	898.25	Nov 7 2007	82.63	996.15
Dec 4 2007	179.45	899.33	Dec 4 2007	82.67	996.11
Jan 15 2008	163.43	915.35	Jan 15 2008	82.97	995.81
Feb 21 2008	164.67	914.11	Feb 21 2008		
Mar 12 2008	169.01	909.77	Mar 12 2008	83.08	995.70
Apr 9 2008	167.88	910.90	Apr 9 2008		
Apr 18 2008	178.07	900.71	Apr 18 2008	83.16	995.62
May 1 2008	177.39	901.39	May 1 2008	83.22	995.56
May 6 2008	169.97	908.81	May 6 2008		
May 28 2008	175.04	903.74	May 28 2008		
May 30 2008	174.62	904.16	May 30 2008		
Jun 2 2008	165.15	913.63	Jun 2 2008		
Jun 3 2008	173.91	904.87	Jun 3 2008	83.14	995.64
Jun 12 2008	174.22	904.56	Jun 12 2008		
Jul 2 2008	166.87	911.91	Jul 2 2008	83.29	995.49
Jul 30 2008	168.32	910.46	Jul 30 2008	83.37	995.41
Aug 8 2008	171.04	907.74	Aug 8 2008		
Sep 4 2008	171.07	907.71	Sep 4 2008	83.43	995.35
Oct 2 2008	172.10	906.68	Oct 2 2008	83.54	995.24
Nov 4 2008	173.31	905.47	Nov 4 2008	83.69	995.09
Dec 3 2008	169.48	909.30	Dec 3 2008	83.80	994.98

Piezometric Head for Multiple Depth Monitoring Well
Wolf Valley Well (8S/2W-20J1-2)

March 1990 through December 2015

Well 20J1			Well 20J2		
Date	Depth (feet)	Elevation (feet, MSL)	Date	Depth (feet)	Elevation (feet, MSL)
Jan 6 2009	159.51	919.27	Jan 6 2009	83.94	994.84
Jan 29 2009	157.55	921.23	Jan 29 2009	83.97	994.81
Mar 4 2009	157.14	921.64	Mar 4 2009	84.12	994.66
Apr 2 2009	165.09	913.69	Apr 2 2009	84.08	994.70
May 6 2009	169.97	908.81	May 6 2009	84.10	994.68
Jun 2 2009	165.15	913.63	Jun 2 2009	84.10	994.68
Jun 24 2009	177.81	900.97	Jun 24 2009	84.44	994.34
Aug 4 2009	167.70	911.08	Aug 4 2009	84.61	994.17
Aug 4 2009	167.36	911.42	Aug 4 2009		
Aug 27 2009	165.44	913.34	Aug 27 2009	84.65	994.13
Oct 2 2009	158.97	919.81	Oct 2 2009	84.82	993.96
Nov 3 2009	152.46	926.32	Nov 3 2009	84.76	994.02
Nov 30 2009	148.13	930.65	Nov 30 2009		
Jan 5 2010	141.72	937.06	Jan 5 2010	84.66	994.12
Feb 4 2010	135.75	943.03	Feb 4 2010	84.56	994.22
Mar 2 2010	129.56	949.22	Mar 2 2010	84.19	994.59
Mar 31 2010	135.54	943.24	Mar 31 2010	83.83	994.95
May 5 2010	135.05	943.73	May 5 2010	83.51	995.27
Jun 2 2010	136.83	941.95	Jun 2 2010	83.25	995.53
Jun 30 2010	136.29	942.49	Jun 30 2010	83.00	995.78
Jul 28 2010	138.64	940.14	Jul 28 2010	82.96	995.82
Aug 23 2010	138.86	939.92	Aug 23 2010	82.81	995.97
Sep 30 2010	141.18	937.60	Sep 30 2010	82.69	996.09
Oct 31 2010	131.83	946.95	Oct 31 2010	82.59	996.19
Nov 30 2010	128.89	949.89	Nov 30 2010	82.51	996.27
Dec 31 2010	122.00	956.78	Dec 31 2010	82.40	996.38
Jan 31 2011	122.34	956.44	Jan 31 2011	81.96	996.82
Feb 28 2011	115.97	962.81	Feb 28 2011	81.59	997.19
Mar 31 2011	111.73	967.05	Mar 31 2011	80.81	997.97
Apr 30 2011	114.10	964.68	Apr 30 2011	80.14	998.64
May 31 2011	108.96	969.82	May 31 2011	79.43	999.35
Jun 30 2011	115.91	962.87	Jun 30 2011	78.67	1000.11
Jul 31 2011	126.74	952.04	Jul 31 2011	78.31	1000.47
Aug 31 2011	121.32	957.46	Aug 31 2011	78.02	1000.76
Sep 30 2011	112.47	966.31	Sep 30 2011	77.45	1001.33
Oct 28 2011	106.64	972.14	Oct 28 2011	76.89	1001.89
Nov 30 2011	99.89	978.89	Nov 30 2011	75.83	1002.95
Dec 31 2011	95.89	982.89	Dec 31 2011	75.06	1003.72
Jan 31 2012	100.27	978.51	Jan 31 2012	74.45	1004.33
Feb 29 2012	102.56	976.22	Feb 29 2012	74.12	1004.66
Mar 31 2012	95.82	982.96	Mar 31 2012	73.43	1005.35
Apr 30 2012	94.62	984.16	Apr 30 2012	72.93	1005.85
May 31 2012	97.42	981.36	May 31 2012	72.19	1006.59
Jun 30 2012	95.64	983.14	Jun 30 2012	71.72	1007.06
Jul 31 2012	100.16	978.62	Jul 31 2012	71.40	1007.38
Aug 31 2012	100.80	977.98	Aug 31 2012	71.21	1007.57
Sep 30 2012	101.82	976.96	Sep 30 2012	71.09	1007.69
Oct 28 2012	101.44	977.34	Oct 28 2012	70.97	1007.81
Nov 30 2012	93.16	985.62	Nov 30 2012	70.50	1008.28
Dec 31 2012	94.90	983.88	Dec 31 2012	70.45	1008.33

Piezometric Head for Multiple Depth Monitoring Well
Wolf Valley Well (8S/2W-20J1-2)

March 1990 through December 2015

Well 20J1			Well 20J2		
Date	Depth (feet)	Elevation (feet, MSL)	Date	Depth (feet)	Elevation (feet, MSL)
Jan 31 2013	96.72	982.06	Jan 31 2013	70.07	1008.71
Feb 28 2013	101.55	977.23	Feb 28 2013	70.07	1008.71
Mar 31 2013	95.07	983.71	Mar 31 2013	69.56	1009.22
Apr 30 2013	91.12	987.66	Apr 30 2013	68.86	1009.92
May 31 2013	100.46	978.32	May 31 2013	68.99	1009.79
Jun 30 2013	92.76	986.02	Jun 30 2013	68.48	1010.30
Jul 31 2013	103.60	975.18	Jul 31 2013	69.06	1009.72
Aug 31 2013	106.38	972.40	Aug 31 2013	69.37	1009.41
Sep 30 2013	100.63	978.15	Sep 30 2013	69.42	1009.36
Oct 28 2013	100.75	978.03	Oct 28 2013	69.66	1009.12
Nov 30 2013	97.40	981.38	Nov 30 2013	69.73	1009.05
Dec 31 2013	92.44	986.34	Dec 31 2013	69.57	1009.21
Jan 31 2014	91.68	987.10	Jan 31 2014	69.36	1009.42
Feb 28 2014	88.53	990.25	Feb 28 2014	68.94	1009.84
Mar 31 2014	85.27	993.51	Mar 31 2014	68.56	1010.22
Apr 30 2014	88.08	990.70	Apr 30 2014	68.29	1010.49
May 31 2014	97.71	981.07	May 31 2014	68.74	1010.04
Jun 30 2014	91.32	987.46	Jun 30 2014	68.57	1010.21
Jul 31 2014	104.65	974.13	Jul 31 2014	69.42	1009.36
Aug 31 2014	101.14	977.64	Aug 31 2014	69.88	1008.90
Sep 30 2014	105.86	972.92	Sep 30 2014	70.38	1008.40
Oct 31 2014	101.55	977.23	Oct 31 2014	70.81	1007.97
Nov 30 2014	98.06	980.72	Nov 30 2014	70.99	1007.79
Dec 31 2014	92.03	986.75	Dec 31 2014	70.63	1008.15
Jan 31 2015	92.82	985.96	Jan 31 2015	70.43	1008.35
Feb 28 2015	91.05	987.73	Feb 28 2015	70.19	1008.59
Mar 31 2015	91.23	987.55	Mar 31 2015	70.31	1008.47
Apr 30 2015	96.81	981.97	Apr 30 2015	70.44	1008.34
May 31 2015	103.71	975.07	May 31 2015	70.82	1007.96
Jun 30 2015	97.77	981.01	Jun 30 2015	70.94	1007.84
Jul 31 2015	112.23	966.55	Jul 31 2015	71.70	1007.08
Aug 31 2015	110.43	968.35	Aug 31 2015	72.12	1006.66
Sep 30 2015	102.79	975.99	Sep 30 2015	72.45	1006.33
Oct 31 2015	96.19	982.59	Oct 31 2015	72.49	1006.29
Nov 30 2015	92.48	986.30	Nov 30 2015	72.26	1006.52
Dec 31 2015	90.73	988.05	Dec 31 2015	72.03	1006.75

Notes:

- (1) Data reported as 12:00 PM reading for period March 1990 through September 2010.
- (2) Data reported as daily median value for period October 2010 to present.

Source: USGS California Water Science Center.

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**Water Quality Data for Multiple Depth Monitoring Well
Wolf Valley Well (8S/2W-20J1)**

Code	Parameter	MCL	8/15/1990	12/20/1993	Well J1	8/4/2009	7/26/2010
Sampling date							
3 Sampling depth, feet			20.5	20	21.8		21.7
10 Temperature, water, degrees Celsius			80.020	80.020	80.020		80.020
28 Agency analyzing sample, code							
59 Flow rate, instantaneous, gallons per minute							
95 Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius			1150	863	898		775
191 Hydrogen ion, water, unfiltered, calculated, milligrams per liter			0.00002	0.00002			0.00003
300 Dissolved oxygen, water, unfiltered, milligrams per liter							
400 pH, water, unfiltered, field, standard units			7.8	7.8	7.5		7.5
403 pH, water, unfiltered, laboratory, standard units			8.1	7.7	7.6		7.6
405 Carbon dioxide, water, unfiltered, milligrams per liter			7.2				12
453 Bicarbonate, water, filtered, incremental titration, field, milligrams per liter					253		223
602 Total nitrogen, water, filtered, milligrams per liter			1.5				
607 Organic nitrogen, water, filtered, milligrams per liter			< 0.10				
608 Ammonia, water, filtered, milligrams per liter as nitrogen			< 0.01	< 0.01	< 0.020		< 0.020
613 Nitrite, water, filtered, milligrams per liter as nitrogen			1 (a)	< 0.01	< 0.002	0.001 E	4.05 E
618 Nitrate, water, filtered, milligrams per liter as nitrogen							
623 Ammonia plus organic nitrogen, water, filtered, milligrams per liter as nitrogen			0.2		< 0.01		
631 Nitrate plus nitrite, water, filtered, milligrams per liter as nitrogen			1.3	3.6	3.42		4.05
660 Orthophosphate, water, filtered, milligrams per liter			0.123	0.092			0.114
666 Phosphorus, water, filtered, milligrams per liter			0.04	0.04	0.03 E		0.03 E
671 Orthophosphate, water, filtered, milligrams per liter as phosphorus			0.04	0.03	0.029		0.037
900 Hardness, water, milligrams per liter as calcium carbonate			340	270			282
904 Noncarb hardness, water filtered field, milligrams per liter as calcium carbonate			110	71			99
905 Noncarb hardness, water filtered lab, milligrams per liter as calcium carbonate							94
915 Calcium, water, filtered, milligrams per liter			100	80	102		88.8
925 Magnesium, water, filtered, milligrams per liter			22	16	17.1		14.60
930 Sodium, water, filtered, milligrams per liter			110	76	59.2		51.5
931 Sodium adsorption ratio, water, number			26	2			1.34
932 Sodium fraction of cations, water, percent in equivalents of major cations			41	38			28
935 Potassium, water, filtered, milligrams per liter			2.3	1.4	1.51		1.35
940 Chloride, water, filtered, milligrams per liter			600	110	86		64.4
945 Sulfate, water, filtered, milligrams per liter			600	200	112	129	89.5
950 Fluoride, water, filtered, milligrams per liter			2 (b)	0.5	0.08 E		0.12
955 Silica, water, filtered, milligrams per liter			25	23	29.0		26.7
1000 Arsenic, water, filtered, micrograms per liter			10 (c)		2		1.1
1005 Barium, water, filtered, micrograms per liter			1000 (d)		61		65.9
1010 Beryllium, micrograms per liter			4 (e)		< 0.5		56.6
1020 Boron, water, filtered, micrograms per liter			110	70	59		55
1025 Cadmium, micrograms per liter			5 (f)		< 1		
1030 Chromium, micrograms per liter			50 (g)		< 5		
1035 Cobalt, micrograms per liter					< 3		
1040 Copper, micrograms per liter			1000 (h)		< 10		
1046 Iron, water, filtered, micrograms per liter			300	< 3	< 3	2 E	< 6
1049 Lead, micrograms per liter				< 10			
1056 Manganese, water, filtered, micrograms per liter			50	51	5	< 0.2	< 0.2
1057 Thallium, micrograms per liter			2 (i)				
1060 Molybdenum, micrograms per liter					< 10		
1065 Nickel, micrograms per liter			100 (j)		< 10		
1075 Silver, micrograms per liter			100 (k)		1		
1080 Strontium, water, filtered, micrograms per liter					310	479	413
1085 Vanadium, micrograms per liter					18		
1090 Zinc, micrograms per liter			5000 (l)		< 3		
1095 Antimony, micrograms per liter			6 (m)				
1106 Aluminum, water, filtered, micrograms per liter			1000 (n)		< 4.0		4.1
1130 Lithium, water, filtered, micrograms per liter			7	8	8		8

Water Quality Data for Multiple Depth Monitoring Well
Wolf Valley Well (8S/2W-20J1)

Code	Sampling date	Parameter	MCL	8/15/1990	12/20/1993	Well J1	8/4/2009	7/26/2010
1145	Selenium, micrograms per liter		50 (o)		< 1			
4022	Terbuthylazine, water, filtered, recoverable, micrograms per liter							
4025	Hexazine, water, filtered, recoverable, micrograms per liter							
4029	Bromacil, water, filtered, recoverable, micrograms per liter							
4035	Simazine, water, filtered, recoverable, micrograms per liter							
4036	Prometryn, water, filtered, recoverable, micrograms per liter							
4037	Prometon, water, filtered, recoverable, micrograms per liter							
4040	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, micrograms per liter							
4095	Fonotols, water, filtered, recoverable, micrograms per liter							
7000	Tritium, water, unfiltered, picocuries per liter						4.0	3.9
22703	Uranium, natural, micrograms per liter							
29801	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, lab, milligrams per liter as calcium carbonate							
30217	Dibromomethane, water, unfiltered, recoverable, micrograms per liter							
32101	Bromo-dichloromethane, water, unfiltered, recoverable, micrograms per liter						< 0.04	
32102	Tetrachloromethane, water, unfiltered, recoverable, micrograms per liter						< 0.04	
32103	1,2-Dichloroethane, water, unfiltered, recoverable, micrograms per liter						< 0.06	
32104	Trichloromethane, water, unfiltered, recoverable, micrograms per liter						< 0.1	
32105	Dibromo-chloromethane, water, unfiltered, recoverable, micrograms per liter						< 0.10	
32106	Trichloro-methane, water, unfiltered, recoverable, micrograms per liter						< 0.1	
34010	Toluene, water, unfiltered, recoverable, micrograms per liter						< 0.04	
34030	Benzene, water, unfiltered, recoverable, micrograms per liter						< 0.02	
34215	Acrylonitrile, water, unfiltered, recoverable, micrograms per liter						< 0.02	
34221	Anthracene, water, filtered, recoverable, micrograms per liter						< 0.4	
34248	Benzolalpyrene, water, filtered, recoverable, micrograms per liter							
34288	Tribromo-methane, water, filtered, recoverable, micrograms per liter							
34301	Chlorobenzene, water, unfiltered, recoverable, micrograms per liter						< 0.02	
34311	Chloroethane, water, unfiltered, recoverable, micrograms per liter						< 0.1	
34371	Ethylbenzene, water, unfiltered, recoverable, micrograms per liter						< 0.04	
34377	Fluoranthene, water, filtered, recoverable, micrograms per liter							
34396	Hexachloroethane, water, unfiltered, recoverable, micrograms per liter						< 0.1	
34409	Isophorone, water, filtered, recoverable, micrograms per liter							
34413	Bromomethane, water, unfiltered, recoverable, micrograms per liter						< 0.4	
34418	Chloromethane, water, unfiltered, recoverable, micrograms per liter						< 0.1	
34423	Dichloromethane, water, unfiltered, recoverable, micrograms per liter						< 0.04	
34443	Naphthalene, water, filtered, recoverable, micrograms per liter							
34462	Phenanthrene, water, filtered, recoverable, micrograms per liter							
34466	Phenol, water, filtered, recoverable, micrograms per liter							
34470	Pyrene, water, filtered, recoverable, micrograms per liter							
34475	Tetrachloroethene, water, unfiltered, recoverable, micrograms per liter						< 0.04	
34476	Tetrachloroethene, water, filtered, recoverable, micrograms per liter							
34488	Trichlorofluoromethane, water, unfiltered, recoverable, micrograms per liter						0.05 E	
34496	1,1-Dichloroethane, water, unfiltered, recoverable, micrograms per liter						< 0.04	
34501	1,1-Dichloroethene, water, unfiltered, recoverable, micrograms per liter						< 0.02	
34506	1,1,1-Trichloroethane, water, unfiltered, recoverable, micrograms per liter						< 0.02	
34511	1,1,2-Trichloroethane, water, unfiltered, recoverable, micrograms per liter						< 0.06	
34516	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter						< 0.10	
34536	1,2-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter						< 0.02	
34541	1,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter						< 0.02	
34546	trans-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter						< 0.02	
34551	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter						< 0.04	
34566	1,3-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter						< 0.02	
34571	1,4-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter						< 0.02	
34572	1,4-Dichlorobenzene, water, filtered, recoverable, micrograms per liter							
34668	Dichlorodifluoromethane, water, unfiltered, recoverable, micrograms per liter						< 0.10	
34696	Naphthalene, water, unfiltered, recoverable, micrograms per liter						< 0.2	

**Water Quality Data for Multiple Depth Monitoring Well
Wolf Valley Well (8S/2W-20J1)**

Code	Parameter	MCL	8/15/1990	12/20/1993	Well J1	8/4/2009	7/26/2010
	Sampling date						
34699	trans-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5				< 0.10	
34704	cis-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5				< 0.10	
38454	Diclofipos, water, filtered, recoverable, micrograms per liter						
38775	Dichlorvos, water, filtered, recoverable, micrograms per liter						
38933	Chlorpyrifos, water, filtered, recoverable, micrograms per liter						
39036	Alkalinity, water, filtered, fixed endpoint (PH 4.5) titration, laboratory, milligrams per liter as calcium carbonate	240		200			
39086	Alkalinity, water, filtered, incremental titration, field, milligrams per liter as calcium carbonate					207	184
39175	Vinyl chloride, water, unfiltered, recoverable, micrograms per liter	0.5				< 0.1	
39180	Trichloroethene, water, unfiltered, recoverable, micrograms per liter	5				< 0.02	
39381	Dieldrin, water, filtered, recoverable, micrograms per liter						
39415	Metoachlor, water, filtered, recoverable, micrograms per liter						
39532	Malathion, water, filtered, recoverable, micrograms per liter						
39572	Diazinon, water, filtered, recoverable, micrograms per liter						
39632	Atrazine, water, filtered, recoverable, micrograms per liter						
39702	Hexachlorobutadiene, water, unfiltered, recoverable, micrograms per liter					< 0.1	
46342	Alachlor, water, filtered, recoverable, micrograms per liter						
49260	Acetochlor, water, filtered, recoverable, micrograms per liter						
49295	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
49333	C-14, water, filtered, percent modern					96.47	98.33
49384	C-14, counting error, water, filtered, percent modern					0.320	0.320
49991	Methyl acrylate, water, unfiltered, recoverable, micrograms per liter					< 0.6	
49999	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter					< 0.1	
50000	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter					< 0.1	
50002	Bromoethene, water, unfiltered, recoverable, micrograms per liter					< 0.1	
50004	tert-Butyl ethyl ether, water, unfiltered, recoverable, micrograms per liter					< 0.04	
50005	Methyl tert-pentyl ether, water, unfiltered, recoverable, micrograms per liter					< 0.06	
50305	Caffeine, water, filtered, recoverable, micrograms per liter						
50359	Metaxyl, water, filtered, recoverable, micrograms per liter						
61209	Perchlorate, water, unfiltered, recoverable, micrograms per liter	6					
61585	Cyfluthrin, water, filtered, recoverable, micrograms per liter						
61586	Cypermethrin, water, filtered, recoverable, micrograms per liter						
61591	Fenamiphos, water, filtered, recoverable, micrograms per liter						
61593	Iprodione, water, filtered, recoverable, micrograms per liter						
61594	Isofenphos, water, filtered, recoverable, micrograms per liter						
61596	Metaxyl, water, filtered, recoverable, micrograms per liter						
61598	Methidathion, water, filtered, recoverable, micrograms per liter						
61599	Myclobutanil, water, filtered, recoverable, micrograms per liter						
61601	Phosmet, water, filtered, recoverable, micrograms per liter						
61610	Tribuphos, water, filtered, recoverable, micrograms per liter						
61618	2-Chloro-2-(6-diethylacetanilide, water, filtered, recoverable, micrograms per liter						
61620	2-Ethyl-6-methylaniline, water, filtered, recoverable, micrograms per liter						
61625	3,4-Dichloroaniline, water, filtered, recoverable, micrograms per liter						
61633	4-Chloro-2-methylphenol, water, filtered, recoverable, micrograms per liter						
61635	Azinphos-methyl oxygen analog, water, filtered, recoverable, micrograms per liter						
61636	Chlorpyrifos oxygen analog, water, filtered, recoverable, micrograms per liter						
61644	Ethion monoxon, water, filtered, recoverable, micrograms per liter						
61645	Fenamiphos sulfone, water, filtered, recoverable, micrograms per liter						
61646	Fenamiphos sulfoxide, water, filtered, recoverable, micrograms per liter						
61652	Malaxoxon, water, filtered, recoverable, micrograms per liter						
61664	Methyl paraoxon, water, filtered, recoverable, micrograms per liter						
61666	Phorate oxygen analog, water, filtered, recoverable, micrograms per liter						
61668	Phosmet oxygen analog, water, filtered, recoverable, micrograms per liter						
61674	Terbutyl oxygen analog sulfone, water, filtered, recoverable, micrograms per liter						
61705	Diethoxyoctylphenol, water, filtered, recoverable, micrograms per liter						
61706	Monooxyoctylphenol, water, filtered, recoverable, micrograms per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Wolf Valley Well (8S/2W-20J1)**

Code	Parameter	MCL	8/15/1990	12/20/1993	8/4/2009	Well J1	7/26/2010
62005	Sampling date						
62005	Cotinine, water, filtered, recoverable, micrograms per liter						
62054	1-Methylnaphthalene, water, filtered, recoverable, micrograms per liter						
62055	2,6-Dimethylnaphthalene, water, filtered, recoverable, micrograms per liter						
62056	2-Methylnaphthalene, water, filtered, recoverable, micrograms per liter						
62057	3-beta-Coprodstanol, water, filtered, recoverable, micrograms per liter						
62058	3-Methyl-1H-indole, water, filtered, recoverable, micrograms per liter						
62059	3-tert-Butyl-4-hydroxyanisole, water, filtered, recoverable, micrograms per liter						
62060	4-Cumylphenol, water, filtered, recoverable, micrograms per liter						
62061	4-Octylphenol, water, filtered, recoverable, micrograms per liter						
62062	4-tert-Octylphenol, water, filtered, recoverable, micrograms per liter						
62063	5-Methyl-1H-benzotiazole, water, filtered, recoverable, micrograms per liter						
62064	Acetophenone, water, filtered, recoverable, micrograms per liter						
62065	Acetyl hexamethyl tetrahydro naphthalene, water, filtered, recoverable, micrograms per liter						
62066	9,10-Anthraquinone, water, filtered, recoverable, micrograms per liter						
62067	Benzophenone, water, filtered, recoverable, micrograms per liter						
62068	beta-Sitosterol, water, filtered, recoverable, micrograms per liter						
62070	Camphor, water, filtered, recoverable, micrograms per liter						
62071	Carbazole, water, filtered, recoverable, micrograms per liter						
62072	Cholesterol, water, filtered, recoverable, micrograms per liter						
62073	D-Limonene, water, filtered, recoverable, micrograms per liter						
62075	Hexahydrohexamethyl cyclopentabenzopyran, water, filtered, recoverable, micrograms per liter						
62076	Indole, water, filtered, recoverable, micrograms per liter						
62077	Isoborneol, water, filtered, recoverable, micrograms per liter						
62078	Isopropylbenzene, water, filtered, recoverable, micrograms per liter						
62079	Isoquindoline, water, filtered, recoverable, micrograms per liter						
62080	Menthol, water, filtered, recoverable, micrograms per liter						
62081	Methyl salicylate, water, filtered, recoverable, micrograms per liter						
62082	DEET, water, filtered, recoverable, micrograms per liter						
62083	Diethoxyphenol, water, filtered, recoverable, micrograms per liter						
62084	p-Cresol, water, filtered, recoverable, micrograms per liter						
62085	4-Nonylphenol, water, filtered, recoverable, micrograms per liter						
62086	beta-Sigmastrand, water, filtered, recoverable, micrograms per liter						
62087	Tris(2-chloroethyl) phosphate, water, filtered, recoverable, micrograms per liter						
62088	Tris(chloroisopropyl) phosphate, water, filtered, recoverable, micrograms per liter						
62089	Tributyl phosphate, water, filtered, recoverable, micrograms per liter						
62090	Tridolsan, water, filtered, recoverable, micrograms per liter						
62091	Triethyl citrate, water, filtered, recoverable, micrograms per liter						
62092	Triphenyl phosphate, water, filtered, recoverable, micrograms per liter						
62093	Tris(2-butoxyethyl) phosphate, water, filtered, recoverable, micrograms per liter						
62166	Fipronil, water, filtered, recoverable, micrograms per liter						
62167	Fipronil sulfide, water, filtered, recoverable, micrograms per liter						
62168	Fipronil sulfone, water, filtered, recoverable, micrograms per liter						
62169	Desulfurylfipronil amide, water, filtered, recoverable, micrograms per liter						
62094	Desulfurylfipronil, water, filtered, recoverable, micrograms per liter						
62854	Total nitrogen, ($\text{NH}_3+\text{NO}_2+\text{NO}_3+\text{Organic}$), filtered, milligrams per liter		6				< 0.026
63790	Perchlorate, water, filtered, recoverable, micrograms per liter		1500	596		531	17.9 E
70300	Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter			717	528		0.004 E
70301	Residue, water, filtered, sum of constituents, milligrams per liter						0.003 0.001 E
70303	Residue, water, filtered, tons per acre-foot						0.36 0.35
71846	Ammonia, water, filtered, milligrams per liter as NH ₄		45 (q)				
71851	Nitrate, water, filtered, milligrams per liter						
71856	Nitrite, water, filtered, milligrams per liter						
71865	Iodide, water, filtered, milligrams per liter						
71870	Bromide, water, filtered, milligrams per liter						
72019	Depth to water level, feet below land surface					72.28	

**Water Quality Data for Multiple Depth Monitoring Well
Wolf Valley Well (8S/2W-20J1)**

Code	Parameter	MCL	8/15/1990	12/20/1993	Well J1	8/4/2009	7/26/2010
	Sampling date						
73547	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, micrograms per liter					< 0.4	
73570	Ethyl methacrylate, water, unfiltered, recoverable, micrograms per liter					< 0.1	
75985	Tritium 2-sigma combined uncertainty, water, unfiltered, picocuries per liter						
76002	Rn-222, 2-sigma combined uncertainty, water, unfiltered, picocuries per liter						
77041	Carbon disulfide, water, unfiltered, micrograms per liter					< 0.04	
77093	cis-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter					< 0.02	
77103	n-Butyl methyl ketone, water, unfiltered, recoverable, micrograms per liter	6				< 0.6	
77128	Syrene, water, unfiltered, recoverable, micrograms per liter	100				< 0.04	
77135	o-Xylene, water, unfiltered, recoverable, micrograms per liter					< 0.04	
77168	1,1-Dichloropropane, water, unfiltered, recoverable, micrograms per liter					< 0.04	
77170	2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter					< 0.06	
77173	1,3-Dichloropropane, water, unfiltered, recoverable, micrograms per liter					< 0.1	
77220	2-Ethylouene, water, unfiltered, recoverable, micrograms per liter					< 0.02	
77221	1,2,3-Timethylbenzene, water, unfiltered, recoverable, micrograms per liter					< 0.1	
77222	1,2,4-Timethylbenzene, water, unfiltered, recoverable, micrograms per liter					< 0.04	
77223	Isopropylbenzene, water, unfiltered, recoverable, micrograms per liter					< 0.04	
77224	n-Propylbenzene, water, unfiltered, recoverable, micrograms per liter					< 0.04	
77226	1,3,5-Timethylbenzene, water, unfiltered, recoverable, micrograms per liter					< 0.04	
77227	2-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter					< 0.02	
77277	4-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter					< 0.02	
77297	Bromo-chloromethane, water, unfiltered, recoverable, micrograms per liter					< 0.06	
77342	n-Butylbenzene, water, unfiltered, recoverable, micrograms per liter					< 0.1	
77350	sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter					< 0.02	
77353	tert-Butylbenzene, water, unfiltered, recoverable, micrograms per liter					< 0.06	
77356	4-Isopropyltoluene, water, unfiltered, recoverable, micrograms per liter					< 0.06	
77424	Iodomethane, water, unfiltered, recoverable, micrograms per liter					< 0.80	
77443	1,2,3-Trichloropropane, water, unfiltered, recoverable, micrograms per liter					< 0.12	
77562	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter					< 0.04	
77613	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter	0.05				< 0.1	
77651	1,2-Dibromomethane, water, unfiltered, recoverable, micrograms per liter					< 0.04	
77652	1,1,2-Trichloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, micrograms per liter					< 0.04	
78032	Methyl tert-butyl ether, water, unfiltered, recoverable, micrograms per liter					< 0.1	
78109	3-Chloropropene, water, unfiltered, recoverable, micrograms per liter					< 0.08	
78133	Isobutyl methyl ketone, water, unfiltered, recoverable, micrograms per liter					< 0.4	
81552	Acetone, water, unfiltered, recoverable, micrograms per liter					< 4	
81555	Bromobenzene, water, unfiltered, recoverable, micrograms per liter					< 0.02	
81576	Diethyl ether, water, unfiltered, recoverable, micrograms per liter					< 0.1	
81577	Diisopropyl ether, water, unfiltered, recoverable, micrograms per liter					< 0.06	
81593	Methyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter					< 0.2	
81595	Ethyl methyl ketone, water, unfiltered, recoverable, micrograms per liter					< 1.6	
81597	Methyl methacrylate, water, unfiltered, recoverable, micrograms per liter					< 0.2	
81607	Tetrahydrofuran, water, unfiltered, recoverable, micrograms per liter					< 1	
82081	C-13-C-12 ratio, water, unfiltered, per mil					-15.29	-15.56
82082	Deuterium/Protium ratio, water, unfiltered, per mil		47	-44.2	-43.20	-42.80	
82085	Oxygen-18/Oxygen-16 ratio, water, unfiltered, per mil				-6.8	-6.66	-6.33
82303	Rn-222, water, unfiltered, picocuries per liter						-6.51
82346	Ethion, water, filtered, recoverable, micrograms per liter						
82625	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, micrograms per liter						< 1.0
82630	Meribusin, water, filtered, recoverable, micrograms per liter						
82660	2,6-Diethylamine, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82661	Triethylbenzene, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82662	Dimethylate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82664	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82667	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82670	Tetrahydrofuran, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						

Water Quality Data for Multiple Depth Monitoring Well Wolf Valley Well (8S/2W-20J1)

Code	Parameter	MCL	8/15/1990	12/20/1993	8/4/2009	Well J1
82673	Sampling date					7/26/2010
82675	Benifuralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82676	Tributols, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82680	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82682	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82683	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82686	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82687	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
85795	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
90095	m-Xylene plus p-xylene, water, unfiltered, recoverable, micrograms per liter	< 0.08	911	787		
90851	Specific conductance, water, unfiltered, laboratory, microsiemens per centimeter at 25 degrees Celsius	1130	868			
99883	Triholomethanes, water, unfiltered, calcd, micrograms per liter					
99884	Bisphenol A-d3, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery					
99885	Caffeine-13C, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery					
99886	Decafluorobiphenyl, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery					
99887	Fluoranthene-d10, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery					
99882	1,2-Dichloroethane-d4, surrogate, Schedule 2090, water, unfiltered, percent recovery					
99883	Toluene-d8, surrogate, Schedule 2090, water, unfiltered, percent recovery					
99884	1-Bromo-4-fluorobenzene, surrogate, VOC schedules, water, unfiltered, percent recovery					
99894	Diazinon-d10, surrogate, Schedule 2003, water, filtered, percent recovery					
99895	alpha-HCH-d6, surrogate, Schedule 2003, water, filtered, percent recovery					

Notes:

U.S. EPA STORET numbers for MCLs correspond to the same as the USGS NWIS data parameter number except as follows:

- (a) MCL shown for U.S. EPA STORET No. 620.
- (b) MCL shown for U.S. EPA STORET No. 951.
- (c) MCL shown for U.S. EPA STORET No. 1002.
- (d) MCL shown for U.S. EPA STORET No. 1007.
- (e) MCL shown for U.S. EPA STORET No. 1012.
- (f) MCL shown for U.S. EPA STORET No. 1027.
- (g) MCL shown for U.S. EPA STORET No. 1034.
- (h) MCL shown for U.S. EPA STORET No. 1042.
- (i) MCL shown for U.S. EPA STORET No. 1059.
- (j) MCL shown for U.S. EPA STORET No. 1067.
- (k) MCL shown for U.S. EPA STORET No. 1077.
- (l) MCL shown for U.S. EPA STORET No. 1092.
- (m) MCL shown for U.S. EPA STORET No. 1097.
- (n) MCL shown for U.S. EPA STORET No. 1105.
- (o) MCL shown for U.S. EPA STORET No. 1147.
- (p) MCL shown for U.S. EPA STORET No. 34247.
- (q) MCL shown for U.S. EPA STORET No. 71850.

Code--Data parameter number used in USGS National Water Information System (NWIS).

E--Estimated.

M--Presence verified but not quantified.

MCL--Maximum Contaminant Level reported by California DHS (May 25, 2007 Database) for U.S. EPA STORET number.

V--Biased results from contamination.

**Water Quality Data for Multiple Depth Monitoring Well
Wolf Valley Well (8S/2W-20J2)**

Code	Parameter	MCL	8/15/1990	12/20/1993	Well J2	8/4/2009	7/28/2010
Sampling date							
3 Sampling depth, feet			19	19		20.8	20.8
10 Temperature, water, degrees Celsius			80.020	80.020		80.020	80.020
28 Agency analyzing sample, code							
59 Flow rate, instantaneous, gallons per minute							
95 Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius			400	423		422	
191 Hydrogen ion, water, unfiltered, calculated, milligrams per liter			0.00003	0.00003		0.00003	
300 Dissolved oxygen, water, unfiltered, milligrams per liter							
400 pH, water, unfiltered, field, standard units			7.6	7.6		7.5	7.5
403 pH, water, unfiltered, laboratory, standard units			8.6	7.6		7.5	7.6
405 Carbon dioxide, water, unfiltered, milligrams per liter			7.7				9.7
453 Bicarbonate, water, filtered, incremental titration, field, milligrams per liter					193		193
602 Total nitrogen, water, filtered, milligrams per liter			1.7			< 1.7	
607 Organic nitrogen, water, filtered, milligrams per liter				< 0.01		< 0.10	
608 Ammonia, water, filtered, milligrams per liter as nitrogen				< 0.01		0.012 E	< 0.020
613 Nitrite, water, filtered, milligrams per liter as nitrogen			1 (a)	< 0.01		< 0.002	0.001 E
618 Nitrate, water, filtered, milligrams per liter as nitrogen							1.57 E
623 Ammonia plus organic nitrogen, water, filtered, milligrams per liter as nitrogen			0.5			< 0.01	
631 Nitrate plus nitrite, water, filtered, milligrams per liter as nitrogen			1.2	1.2		1.58	1.57
660 Orthophosphate, water, filtered, milligrams per liter			0.675	0.307			0.306
666 Phosphorus, water, filtered, milligrams per liter			0.23			0.09	
671 Orthophosphate, water, filtered, milligrams per liter as phosphorus			0.22	0.1		0.096	0.100
900 Hardness, water, milligrams per liter as calcium carbonate			130	130		141	
904 Noncarb hardness, water filtered field, milligrams per liter as calcium carbonate							
905 Noncarb hardness, water filtered lab, milligrams per liter as calcium carbonate			42	42		43.5	45.6
915 Calcium, water, filtered, milligrams per liter			6.3	6		6.02	6.42
925 Magnesium, water, filtered, milligrams per liter			38	35		32.6	34.7
930 Sodium, water, filtered, milligrams per liter							
931 Sodium adsorption ratio, water, number			1.4	1.3		1.27	
932 Sodium fraction of cations, water, percent in equivalents of major cations			39	37		35	
935 Potassium, water, filtered, milligrams per liter			0.8	0.8		0.84	0.83
940 Chloride, water, filtered, milligrams per liter			600	27		24.4	25.9
945 Sulfate, water, filtered, milligrams per liter			600	12		13.0	13.2
950 Fluoride, water, filtered, milligrams per liter			2 (b)	0.7		0.28	0.31
955 Silica, water, filtered, milligrams per liter			28	25		28.3	25.7
1000 Arsenic, water, filtered, micrograms per liter			10 (c)	1		1.0	0.96
1005 Barium, water, filtered, micrograms per liter			1000 (d)	40		42.8	42.5
1010 Beryllium, micrograms per liter			4 (e)			< 0.5	
1020 Boron, water, filtered, micrograms per liter			60	50		37	37
1025 Cadmium, micrograms per liter			5 (f)	< 1			
1030 Chromium, micrograms per liter			50 (g)			< 5	
1035 Cobalt, micrograms per liter						< 3	
1040 Copper, micrograms per liter			1000 (h)			< 10	
1046 Iron, water, filtered, micrograms per liter			300	< 3		< 3	< 6
1049 Lead, micrograms per liter				< 10			
1056 Manganese, water, filtered, micrograms per liter			50	< 1		0.2 E	0.1 E
1057 Thallium, micrograms per liter			2 (i)				
1060 Molybdenum, micrograms per liter						< 10	
1065 Nickel, micrograms per liter			100 (j)			< 10	
1075 Silver, micrograms per liter			100 (k)			< 1	
1080 Strontium, water, filtered, micrograms per liter						170	175
1085 Vanadium, micrograms per liter						15	
1090 Zinc, micrograms per liter			5000 (l)	4			
1095 Antimony, micrograms per liter			6 (m)				
1106 Aluminum, water, filtered, micrograms per liter			1000 (n)			< 4.0	6.3
1130 Lithium, water, filtered, micrograms per liter				5	5	5	6

**Water Quality Data for Multiple Depth Monitoring Well
Wolf Valley Well (8S/2W-20J2)**

Code	Sampling date	Parameter	MCL	8/15/1990	12/20/1993	Well J2	8/4/2009	7/26/2010
1145	Selenium, micrograms per liter		50 (o)		< 1			
4022	Terbuthylazine, water, filtered, recoverable, micrograms per liter							
4025	Hexazine, water, filtered, recoverable, micrograms per liter							
4029	Bromacil, water, filtered, recoverable, micrograms per liter							
4035	Simazine, water, filtered, recoverable, micrograms per liter							
4036	Prometryn, water, filtered, recoverable, micrograms per liter							
4037	Prometon, water, filtered, recoverable, micrograms per liter							
4040	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, micrograms per liter							
4095	Fonotols, water, filtered, recoverable, micrograms per liter							
7000	Tritium, water, unfiltered, picocuries per liter						5.5	5.2
22703	Uranium, natural, micrograms per liter							
29801	Alkalinity, water, filtered, endpoint (pH 4.5) titration, lab, milligrams per liter as calcium carbonate		163					162
30217	Dibromomethane, water, unfiltered, recoverable, micrograms per liter						< 0.04	
32101	Bromo-dichloromethane, water, unfiltered, recoverable, micrograms per liter						< 0.04	
32102	Tetrachloromethane, water, unfiltered, recoverable, micrograms per liter						< 0.06	
32103	1,2-Dichloroethane, water, unfiltered, recoverable, micrograms per liter						< 0.1	
32104	Tribromochloromethane, water, unfiltered, recoverable, micrograms per liter						< 0.10	
32105	Dibromochloromethane, water, unfiltered, recoverable, micrograms per liter						< 0.1	
32106	Trichloromethane, water, unfiltered, recoverable, micrograms per liter						< 0.04	
34010	Toluene, water, unfiltered, recoverable, micrograms per liter			0.5			< 0.02	
34030	Benzene, water, unfiltered, recoverable, micrograms per liter				150		< 0.02	
34215	Acrylonitrile, water, unfiltered, recoverable, micrograms per liter				1		< 0.02	
34221	Anthracene, water, filtered, recoverable, micrograms per liter						< 0.4	
34248	Benzolalpyrene, water, filtered, recoverable, micrograms per liter					0.2 (p)		
34288	Tribromomethane, water, filtered, recoverable, micrograms per liter							
34301	Chlorobenzene, water, unfiltered, recoverable, micrograms per liter				70		< 0.02	
34311	Chloroethane, water, unfiltered, recoverable, micrograms per liter						< 0.1	
34371	Ethylbenzene, water, unfiltered, recoverable, micrograms per liter					300	< 0.04	
34377	Fluoranthene, water, filtered, recoverable, micrograms per liter						< 0.1	
34396	Hexachloroethane, water, unfiltered, recoverable, micrograms per liter							
34409	Isophorone, water, filtered, recoverable, micrograms per liter							
34413	Bromomethane, water, unfiltered, recoverable, micrograms per liter						< 0.4	
34418	Chloromethane, water, unfiltered, recoverable, micrograms per liter						< 0.1	
34423	Dichloromethane, water, unfiltered, recoverable, micrograms per liter						< 0.04	
34443	Naphthalene, water, filtered, recoverable, micrograms per liter							
34462	Phenanthrene, water, filtered, recoverable, micrograms per liter							
34466	Phenol, water, filtered, recoverable, micrograms per liter							
34470	Pyrene, water, filtered, recoverable, micrograms per liter							
34475	Tetrachloroethene, water, unfiltered, recoverable, micrograms per liter		5				< 0.04	
34476	Tetrachloroethene, water, filtered, recoverable, micrograms per liter							
34488	Trichlorofluoromethane, water, unfiltered, recoverable, micrograms per liter				150		0.15	
34496	1,1-Dichloroethane, water, unfiltered, recoverable, micrograms per liter				5		< 0.04	
34501	1,1-Dichloroethene, water, unfiltered, recoverable, micrograms per liter				6		< 0.02	
34506	1,1,1-Trichloroethane, water, unfiltered, recoverable, micrograms per liter				200		< 0.02	
34511	1,1,2-Trichloroethane, water, unfiltered, recoverable, micrograms per liter		5				< 0.06	
34516	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter				1		< 0.10	
34536	1,2-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter				600		< 0.02	
34541	1,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter				5		< 0.02	
34546	trans-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter				10		< 0.02	
34551	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter				5		< 0.04	
34566	1,3-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter						< 0.02	
34571	1,4-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter						< 0.02	
34572	1,4-Dichlorobenzene, water, filtered, recoverable, micrograms per liter				5			
34668	Dichlorodifluoromethane, water, unfiltered, recoverable, micrograms per liter						< 0.10	
34696	Naphthalene, water, unfiltered, recoverable, micrograms per liter						< 0.2	

**Water Quality Data for Multiple Depth Monitoring Well
Wolf Valley Well (8S/2W-20J2)**

Code	Parameter	MCL	8/15/1990	12/20/1993	Well J2	8/4/2009	7/26/2010
	Sampling date						
34699	trans-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5				< 0.10	
34704	cis-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5				< 0.10	
38454	Diclofipos, water, filtered, recoverable, micrograms per liter						
38775	Dichlorvos, water, filtered, recoverable, micrograms per liter						
38933	Chlorpyrifos, water, filtered, recoverable, micrograms per liter						
39036	Alkalinity, water, filtered, fixed endpoint (PH 4.5) titration, laboratory, milligrams per liter as calcium carbonate						
39086	Alkalinity, water, filtered, incremental titration, field, milligrams per liter as calcium carbonate	160		150		158	159
39175	Vinyl chloride, water, unfiltered, recoverable, field, milligrams per liter as calcium carbonate	0.5				< 0.1	
39180	Trichloroethene, water, unfiltered, recoverable, micrograms per liter					< 0.02	
39381	Dieldrin, water, filtered, recoverable, micrograms per liter						
39415	Metoachlor, water, filtered, recoverable, micrograms per liter						
39532	Malathion, water, filtered, recoverable, micrograms per liter						
39572	Diazinon, water, filtered, recoverable, micrograms per liter						
39632	Atrazine, water, filtered, recoverable, micrograms per liter						
39702	Hexachlorobutadiene, water, unfiltered, recoverable, micrograms per liter					< 0.1	
46342	Alachlor, water, filtered, recoverable, micrograms per liter						
49260	Acetochlor, water, filtered, recoverable, micrograms per liter						
49295	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
49333	1-Naphthalene, water, filtered, recoverable, micrograms per liter						
49384	C-14, water, filtered, percent modern					103.4	103.3
49991	C-14, counting error, water, filtered, percent modern					0.380	0.400
49999	Methyl acrylate, water, unfiltered, recoverable, micrograms per liter					< 0.6	
49999	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter					< 0.1	
50000	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter					< 0.1	
50002	Bromoethene, water, unfiltered, recoverable, micrograms per liter					< 0.1	
50004	tert-Butyl ethyl ether, water, unfiltered, recoverable, micrograms per liter					< 0.04	
50005	Methyl tert-pentyl ether, water, unfiltered, recoverable, micrograms per liter					< 0.06	
50305	Caffeine, water, filtered, recoverable, micrograms per liter						
50359	Metaxyl, water, filtered, recoverable, micrograms per liter						
61209	Perchlorate, water, unfiltered, recoverable, micrograms per liter	6					
61585	Cyfluthrin, water, filtered, recoverable, micrograms per liter						
61586	Cypermethrin, water, filtered, recoverable, micrograms per liter						
61591	Fenamiphos, water, filtered, recoverable, micrograms per liter						
61593	Iprodione, water, filtered, recoverable, micrograms per liter						
61594	Isofenphos, water, filtered, recoverable, micrograms per liter						
61596	Metaxyl, water, filtered, recoverable, micrograms per liter						
61598	Methidathion, water, filtered, recoverable, micrograms per liter						
61599	Myclobutanil, water, filtered, recoverable, micrograms per liter						
61601	Phosmet, water, filtered, recoverable, micrograms per liter						
61610	Tribuphos, water, filtered, recoverable, micrograms per liter						
61618	2-Chloro-2-(6-diethylacetanilide, water, filtered, recoverable, micrograms per liter						
61620	2-Ethyl-6-methylaniline, water, filtered, recoverable, micrograms per liter						
61625	3,4-Dichloroaniline, water, filtered, recoverable, micrograms per liter						
61633	4-Chloro-2-methylphenol, water, filtered, recoverable, micrograms per liter						
61635	Azinphos-methyl oxygen analog, water, filtered, recoverable, micrograms per liter						
61636	Chlorpyrifos oxygen analog, water, filtered, recoverable, micrograms per liter						
61644	Ethion monoxon, water, filtered, recoverable, micrograms per liter						
61645	Fenamiphos sulfone, water, filtered, recoverable, micrograms per liter						
61646	Fenamiphos sulfoxide, water, filtered, recoverable, micrograms per liter						
61652	Malaxoxon, water, filtered, recoverable, micrograms per liter						
61664	Methyl paraoxon, water, filtered, recoverable, micrograms per liter						
61666	Phorate oxygen analog, water, filtered, recoverable, micrograms per liter						
61668	Phosmet oxygen analog, water, filtered, recoverable, micrograms per liter						
61674	Terbutyl oxygen analog sulfone, water, filtered, recoverable, micrograms per liter						
61705	Diethoxyoctylphenol, water, filtered, recoverable, micrograms per liter						
61706	Monooxyoctylphenol, water, filtered, recoverable, micrograms per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Wolf Valley Well (8S/2W-20J2)**

Code	Parameter	MCL	8/15/1990	12/20/1993	Well J2	8/4/2009	7/26/2010
62005	Sampling date						
62005	Cotinine, water, filtered, recoverable, micrograms per liter						
62054	1-Methylnaphthalene, water, filtered, recoverable, micrograms per liter						
62055	2,6-Dimethylnaphthalene, water, filtered, recoverable, micrograms per liter						
62056	2-Methylnaphthalene, water, filtered, recoverable, micrograms per liter						
62057	3-beta-Coprodstanol, water, filtered, recoverable, micrograms per liter						
62058	3-Methyl-1H-indole, water, filtered, recoverable, micrograms per liter						
62059	3-tert-Butyl-4-hydroxyanisole, water, filtered, recoverable, micrograms per liter						
62060	4-Cumylphenol, water, filtered, recoverable, micrograms per liter						
62061	4-Octylphenol, water, filtered, recoverable, micrograms per liter						
62062	4-tert-Octylphenol, water, filtered, recoverable, micrograms per liter						
62063	5-Methyl-1H-benzotiazole, water, filtered, recoverable, micrograms per liter						
62064	Acetophenone, water, filtered, recoverable, micrograms per liter						
62065	Acetyl hexamethyl tetrahydro naphthalene, water, filtered, recoverable, micrograms per liter						
62066	9,10-Anthraquinone, water, filtered, recoverable, micrograms per liter						
62067	Benzophenone, water, filtered, recoverable, micrograms per liter						
62068	beta-Sitosterol, water, filtered, recoverable, micrograms per liter						
62070	Camphor, water, filtered, recoverable, micrograms per liter						
62071	Carbazole, water, filtered, recoverable, micrograms per liter						
62072	Cholesterol, water, filtered, recoverable, micrograms per liter						
62073	D-Limonene, water, filtered, recoverable, micrograms per liter						
62075	Hexahydrohexamethyl cyclopentabenzopyran, water, filtered, recoverable, micrograms per liter						
62076	Indole, water, filtered, recoverable, micrograms per liter						
62077	Isoborneol, water, filtered, recoverable, micrograms per liter						
62078	Isopropylbenzene, water, filtered, recoverable, micrograms per liter						
62079	Isoquindoline, water, filtered, recoverable, micrograms per liter						
62080	Menthol, water, filtered, recoverable, micrograms per liter						
62081	Methyl salicylate, water, filtered, recoverable, micrograms per liter						
62082	DEET, water, filtered, recoverable, micrograms per liter						
62083	Diethoxyphenol, water, filtered, recoverable, micrograms per liter						
62084	p-Cresol, water, filtered, recoverable, micrograms per liter						
62085	4-Nonylphenol, water, filtered, recoverable, micrograms per liter						
62086	beta-Sigmastrand, water, filtered, recoverable, micrograms per liter						
62087	Tris(2-chloroethyl) phosphate, water, filtered, recoverable, micrograms per liter						
62088	Tris(chloroisopropyl) phosphate, water, filtered, recoverable, micrograms per liter						
62089	Tributyl phosphate, water, filtered, recoverable, micrograms per liter						
62090	Tridolsan, water, filtered, recoverable, micrograms per liter						
62091	Triethyl citrate, water, filtered, recoverable, micrograms per liter						
62092	Triphenyl phosphate, water, filtered, recoverable, micrograms per liter						
62093	Tris(2-butoxyethyl) phosphate, water, filtered, recoverable, micrograms per liter						
62166	Fipronil, water, filtered, recoverable, micrograms per liter						
62167	Fipronil sulfide, water, filtered, recoverable, micrograms per liter						
62168	Fipronil sulfone, water, filtered, recoverable, micrograms per liter						
62169	Desulfurylfipronil amide, water, filtered, recoverable, micrograms per liter						
62170	Desulfurylfipronil, water, filtered, recoverable, micrograms per liter						
62854	Total nitrogen, ($\text{NH}_3+\text{NO}_2+\text{NO}_3+\text{Organic}$), filtered, milligrams per liter		6				
63790	Perchlorate, water, filtered, recoverable, micrograms per liter		1500	216	265	250	256 E
70300	Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter		45 (q)				
70301	Residue, water, filtered, sum of constituents, milligrams per liter						
70303	Residue, water, filtered, tons per acre-foot						
71846	Ammonia, water, filtered, milligrams per liter as NH ₄						< 0.026
71851	Nitrate, water, filtered, milligrams per liter						6.94 E
71856	Nitrite, water, filtered, milligrams per liter						0.003 E
71865	Iodide, water, filtered, milligrams per liter						< 0.002
71870	Bromide, water, filtered, milligrams per liter						0.09
72019	Depth to water level, feet below land surface				6.65		

**Water Quality Data for Multiple Depth Monitoring Well
Wolf Valley Well (8S/2W-20J2)**

Code	Parameter	MCL	8/15/1990	12/20/1993	Well J2	8/4/2009	7/26/2010
	Sampling date						
73547	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, micrograms per liter					< 0.4	
73570	Ethyl methacrylate, water, unfiltered, recoverable, micrograms per liter					< 0.1	
75985	Tritium 2-sigma combined uncertainty, water, unfiltered, picocuries per liter						
76002	Rn-222, 2-sigma combined uncertainty, water, unfiltered, picocuries per liter						
77041	Carbon disulfide, water, unfiltered, micrograms per liter					< 0.04	
77093	cis-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter					< 0.02	
77103	n-Butyl methyl ketone, water, unfiltered, recoverable, micrograms per liter	6				< 0.6	
77128	Syrene, water, unfiltered, recoverable, micrograms per liter	100				< 0.04	
77135	o-Xylene, water, unfiltered, recoverable, micrograms per liter					< 0.04	
77168	1,1-Dichloropropane, water, unfiltered, recoverable, micrograms per liter					< 0.04	
77170	2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter					< 0.06	
77173	1,3-Dichloropropane, water, unfiltered, recoverable, micrograms per liter					< 0.1	
77220	2-Ethyloluene, water, unfiltered, recoverable, micrograms per liter					< 0.02	
77221	1,2,3-Timethylbenzene, water, unfiltered, recoverable, micrograms per liter					< 0.1	
77222	1,2,4-Timethylbenzene, water, unfiltered, recoverable, micrograms per liter					< 0.04	
77223	Isopropylbenzene, water, unfiltered, recoverable, micrograms per liter					< 0.04	
77224	n-Propylbenzene, water, unfiltered, recoverable, micrograms per liter					< 0.04	
77226	1,3,5-Timethylbenzene, water, unfiltered, recoverable, micrograms per liter					< 0.04	
77227	2-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter					< 0.02	
77277	4-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter					< 0.02	
77297	Bromo-chloromethane, water, unfiltered, recoverable, micrograms per liter					< 0.06	
77342	n-Butylbenzene, water, unfiltered, recoverable, micrograms per liter					< 0.1	
77350	sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter					< 0.02	
77353	tert-Butylbenzene, water, unfiltered, recoverable, micrograms per liter					< 0.06	
77356	4-Isopropyltoluene, water, unfiltered, recoverable, micrograms per liter					< 0.06	
77424	Iodomethane, water, unfiltered, recoverable, micrograms per liter					< 0.80	
77443	1,2,3-Trichloropropane, water, unfiltered, recoverable, micrograms per liter					< 0.12	
77562	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter					< 0.04	
77613	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter	0.05				< 0.1	
77651	1,2-Dibromomethane, water, unfiltered, recoverable, micrograms per liter					< 0.04	
77652	1,1,2-Trichloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, micrograms per liter					< 0.04	
78032	Methyl tert-butyl ether, water, unfiltered, recoverable, micrograms per liter					< 0.1	
78109	3-Chloropropene, water, unfiltered, recoverable, micrograms per liter					< 0.08	
78133	Isobutyl methyl ketone, water, unfiltered, recoverable, micrograms per liter					< 0.4	
81552	Acetone, water, unfiltered, recoverable, micrograms per liter					< 4	
81555	Bromobenzene, water, unfiltered, recoverable, micrograms per liter					< 0.02	
81576	Diethyl ether, water, unfiltered, recoverable, micrograms per liter					< 0.1	
81577	Diisopropyl ether, water, unfiltered, recoverable, micrograms per liter					< 0.06	
81593	Methyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter					< 0.2	
81595	Ethyl methyl ketone, water, unfiltered, recoverable, micrograms per liter					< 1.6	
81597	Methyl methacrylate, water, unfiltered, recoverable, micrograms per liter					< 0.2	
81607	Tetrahydroturan, water, unfiltered, recoverable, micrograms per liter					< 1	
82081	C-13C-12 ratio, water, unfiltered, per mil					-14.99	-15.11
82082	Deuterium/Protium ratio, water, unfiltered, per mil	-44				-42.90	-43.50
82085	Oxygen-18/Oxygen-16 ratio, water, unfiltered, per mil	-7				-6.86	-6.89
82303	Rn-222, water, unfiltered, picocuries per liter						
82346	Ethion, water, filtered, recoverable, micrograms per liter						
82625	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, micrograms per liter						< 1.0
82630	Meribusin, water, filtered, recoverable, micrograms per liter						
82660	2,6-Diethylamine, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82661	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82662	Dimehcoate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82664	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82667	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82670	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						

Water Quality Data for Multiple Depth Monitoring Well Wolf Valley Well (8S/2W-20J2)

Code	Parameter	MCL	8/15/1990	12/20/1993	Well J2	8/4/2009	7/26/2010
Sampling date							
82673	Benifuralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82675	Tributols, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82676	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82680	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82682	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82683	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82686	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82687	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
85795	m-Xylene plus p-xylene, water, unfiltered, recoverable, micrograms per liter						
90095	Specific conductance, water, unfiltered, laboratory, microsiemens per centimeter at 25 degrees Celsius	404					
90851	Triholomethanes, water, unfiltered, calcd, micrograms per liter						
99883	Bisphenol A-d3, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99884	Caffeine-13C, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99885	Decafluorobiphenyl, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99886	Fluoranthene-d10, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99882	1,2-Dichloroethane-d4, surrogate, Schedule 2090, water, unfiltered, percent recovery						
99883	Toluene-d8, surrogate, Schedule 2090, water, unfiltered, percent recovery						
99884	1-Bromo-4-fluorobenzene, surrogate, VOC schedules, water, unfiltered, percent recovery						
99894	Diazinon-d10, surrogate, Schedule 2003, water, filtered, percent recovery						
99895	alpha-HCH-d6, surrogate, Schedule 2003, water, filtered, percent recovery						

Notes:

U.S. EPA STORET numbers for MCLs correspond to the same as the USGS NWIS data parameter number except as follows:

- (a) MCL shown for U.S. EPA STORET No. 620.
- (b) MCL shown for U.S. EPA STORET No. 951.
- (c) MCL shown for U.S. EPA STORET No. 1002.
- (d) MCL shown for U.S. EPA STORET No. 1007.
- (e) MCL shown for U.S. EPA STORET No. 1012.
- (f) MCL shown for U.S. EPA STORET No. 1027.
- (g) MCL shown for U.S. EPA STORET No. 1034.
- (h) MCL shown for U.S. EPA STORET No. 1042.
- (i) MCL shown for U.S. EPA STORET No. 1059.
- (j) MCL shown for U.S. EPA STORET No. 1067.
- (k) MCL shown for U.S. EPA STORET No. 1077.
- (l) MCL shown for U.S. EPA STORET No. 1092.
- (m) MCL shown for U.S. EPA STORET No. 1097.
- (n) MCL shown for U.S. EPA STORET No. 1105.
- (o) MCL shown for U.S. EPA STORET No. 1147.
- (p) MCL shown for U.S. EPA STORET No. 34247.
- (q) MCL shown for U.S. EPA STORET No. 71850.

Code--Data parameter number used in USGS National Water Information System (NWIS).

E--Estimated.

M--Presence verified but not quantified.

MCL--Maximum Contaminant Level reported by California DHS (May 25, 2007 Database) for U.S. EPA STORET number.

V--Biased results from contamination.

ANNUAL REPORT

**COOPERATIVE WATER RESOURCE
MANAGEMENT AGREEMENT**

CALENDAR YEAR 2015

APPENDIX C-3

**TEMECULA CREEK
GROUNDWATER MONITORING WELL**

Site Description

Temecula Creek Groundwater Monitoring Well (8S/2W-15F1-5)

LOCATION: Latitude 33° 28' 57.8", longitude 117° 04' 33.2" (NAD83) in SE1/4 SE1/4 NW1/4 Section 15, T8S, R2W, Riverside County, California. Well is located off Butterfield Stage Road on Channel Street near Temecula Creek Trail Park in Temecula, California.

SITE INFORMATION: Land-surface altitude is 1110.53 feet above mean sea level (NAVD88).

WATER-LEVEL RECORD: The period of record for intermittent and daily water-level measurements is listed below.

State well number	USGS station number	Intermittent water-level	Daily water-level
8S/2W-15F1	332857117043301	7/11/2013 to present	9/28/2013 to present
8S/2W-15F2	332857117043302	7/11/2013 to present	10/1/2013 to present
8S/2W-15F3	332857117043303	7/11/2013 to present	10/19/2013 to present
8S/2W-15F4	332857117043304	7/11/2013 to present	9/28/2013 to present
8S/2W-15F5	332857117043305	7/11/2013 to present	10/1/2013 to present

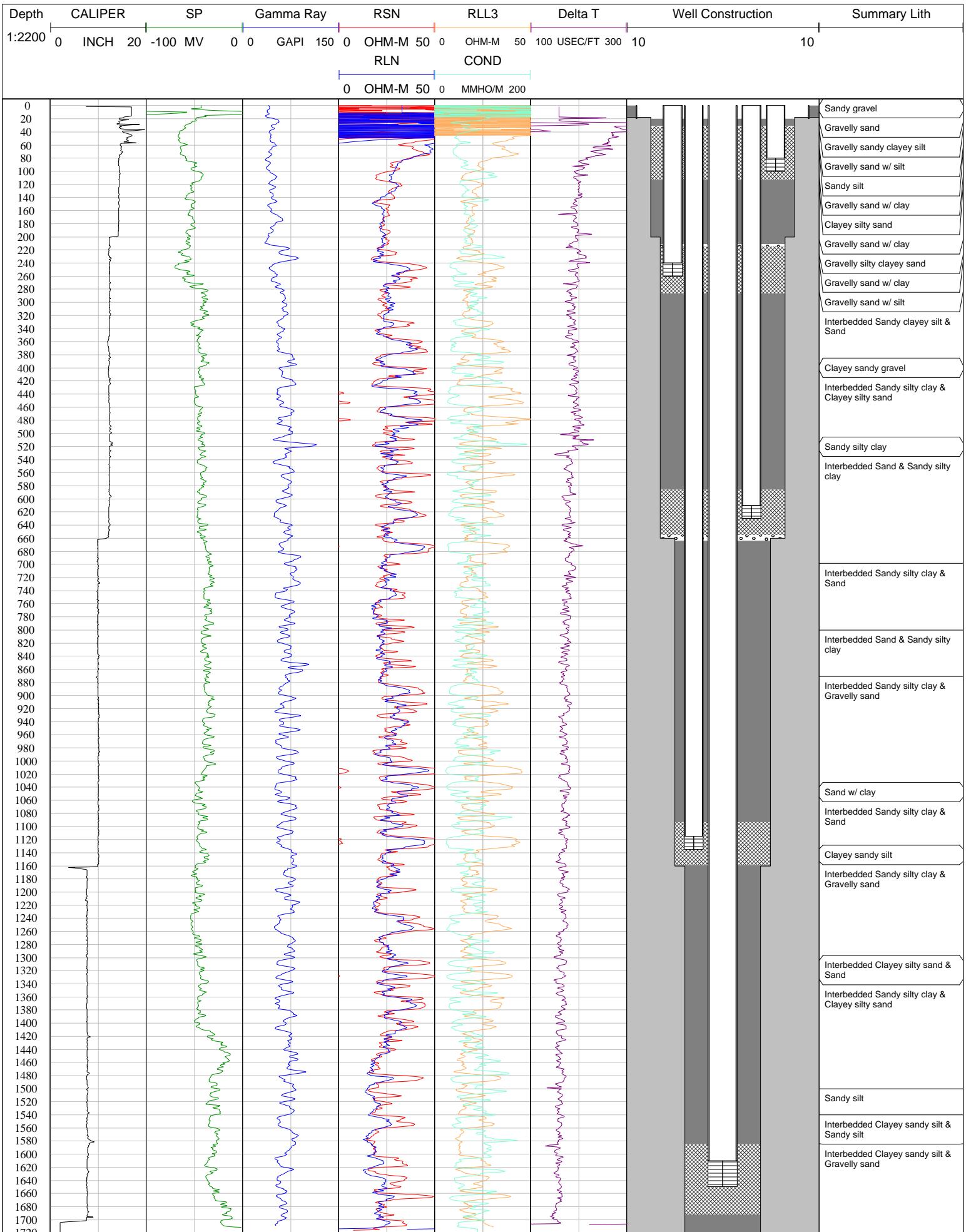
TOPOGRAPHIC MAP: USGS Pechanga, California, 7.5 minute series.

WELL SUMMARY INFORMATION:

State well number	USGS station number	Hole depth (ft)	Perforation depth (ft)	Casing size and type	Date drilled
8S/2W-15F1	332857117043301	1720	1610-1650	3" PVC	4/2/13
8S/2W-15F2	332857117043302	1720	1115-1135	2" PVC	4/2/13
8S/2W-15F3	332857117043303	1720	610-630	2" PVC	4/2/13
8S/2W-15F4	332857117043304	1720	240-260	2" PVC	4/2/13
8S/2W-15F5	332857117043305	1720	80-100	2" PVC	4/2/13

ADDITIONAL INFORMATION:

Additional information can also be found at the following web site:
<http://ca.water.usgs.gov/temecula/>.

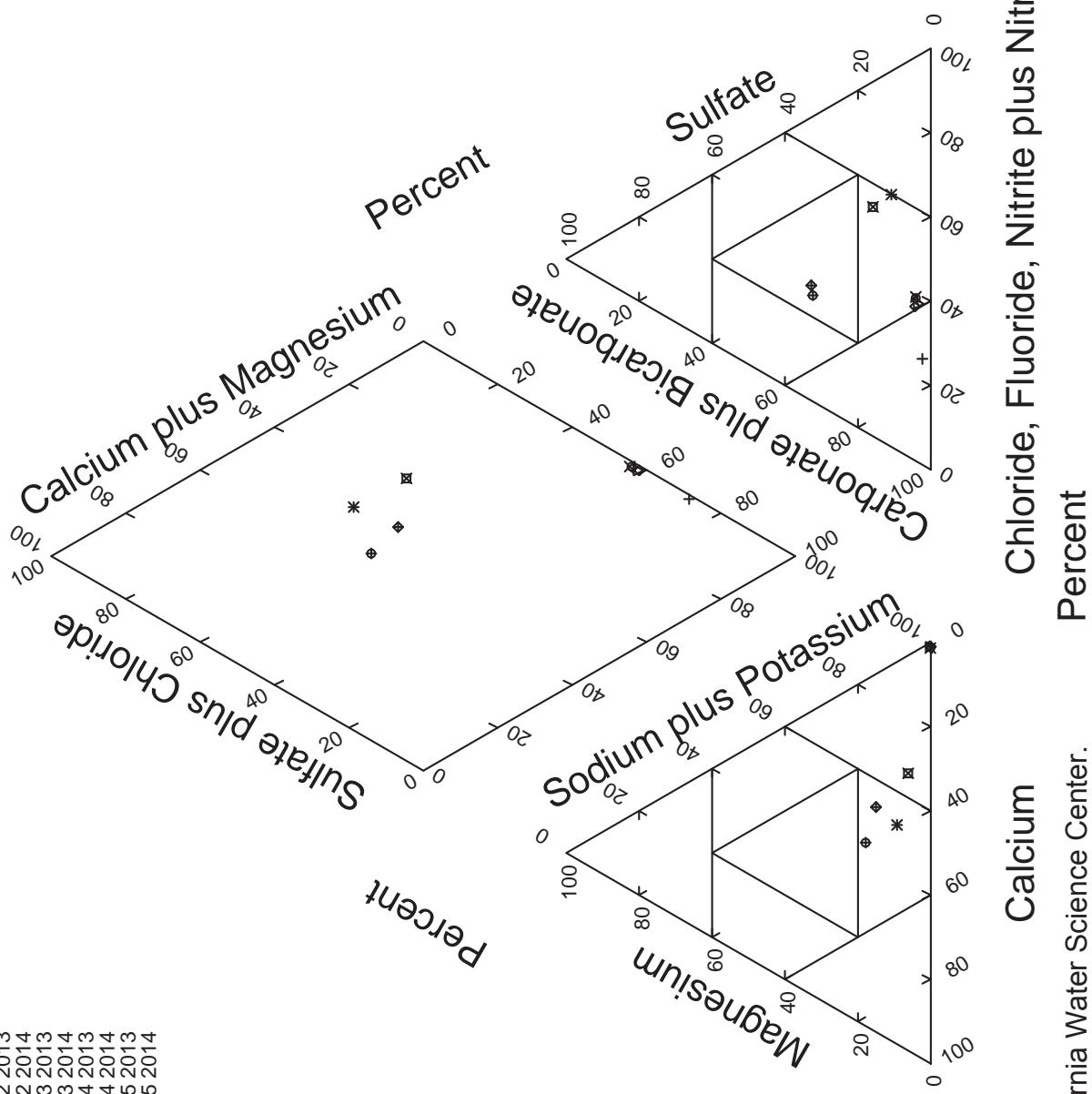


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Tri-Linear Diagram Temecula Creek Monitoring Well (8S/2W-15F1-5)

Explanation

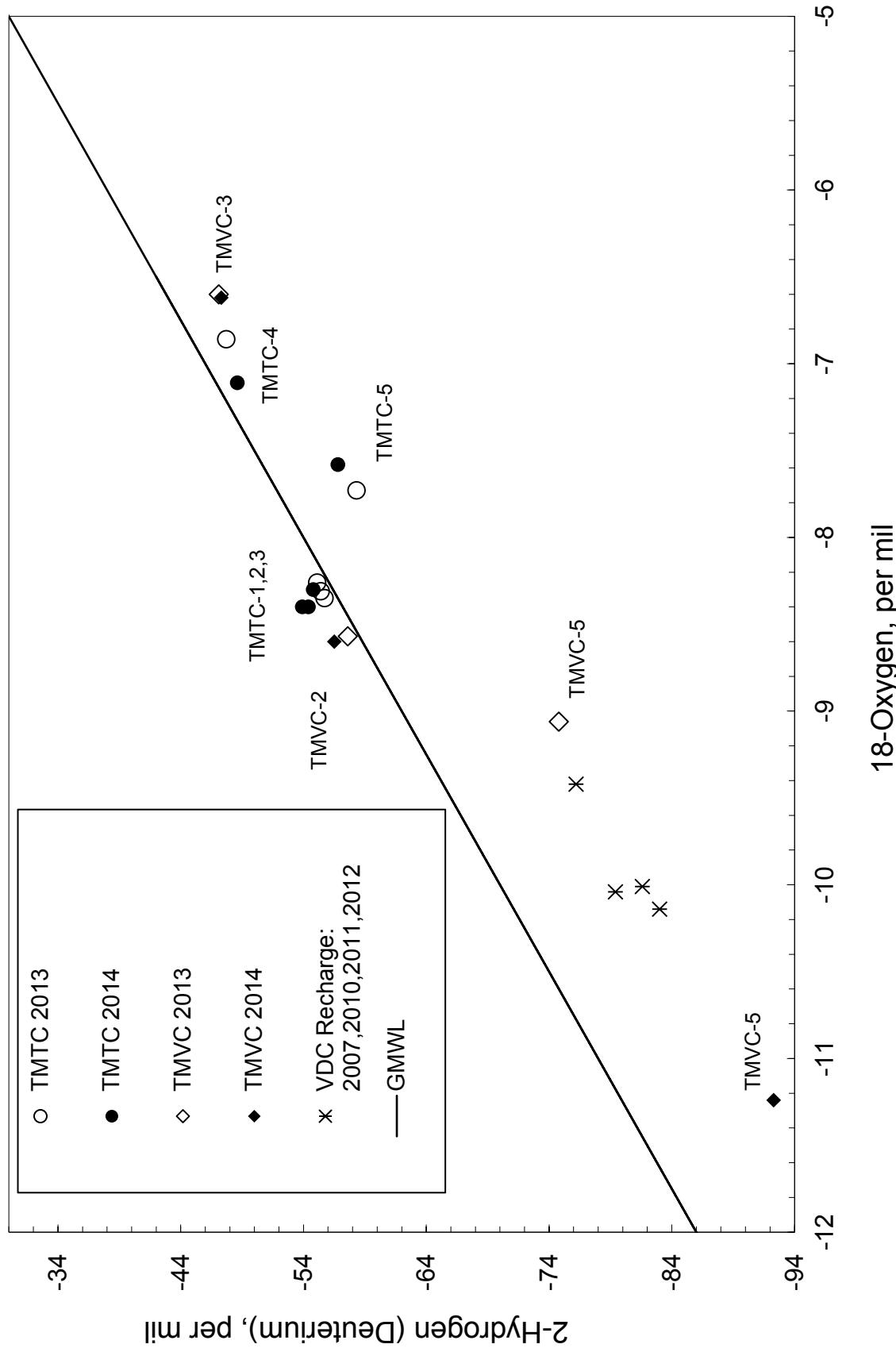
- TMTC-1 2013
- △ TMTC-1 2014
- ▲ TMTC-2 2013
- ▼ TMTC-2 2014
- ◆ TMTC-3 2013
- ◆ TMTC-3 2014
- ◆ TMTC-4 2013
- ◆ TMTC-4 2014
- ◆ TMTC-5 2013
- ◆ TMTC-5 2014



Source: USGS California Water Science Center.

Stable Isotope Diagram

Temecula Creek and VDC Recharge Basin Monitoring Wells



Source: USGS California Water Science Center.

End-of Month Piezometric Head for Multiple Depth Monitoring Well
Temecula Creek Well (8S/2W-15F1-5)
(elevation in feet, MSL)

September 2013 through December 2015

Month	Well F1	Well F2	Well F3	Well F4	Well F5
Jan 13	---	---	---	---	---
Feb	---	---	---	---	---
Mar	---	---	---	---	---
Apr	---	---	---	---	---
May	---	---	---	---	---
Jun	---	---	---	---	---
Jul	---	---	---	---	---
Aug	---	---	---	---	---
Sep	822.19	---	---	1021.91	---
Oct	820.46	784.40	788.85	1020.74	1065.59
Nov	821.41	792.71	812.22	1020.69	1065.36
Dec	823.06	797.23	772.46	1020.07	1065.21
Jan 14	823.71	793.07	771.38	1019.72	1064.92
Feb	822.19	792.53	799.75	1019.48	1064.81
Mar	820.85	800.28	837.25	1020.12	1064.55
Apr	819.56	801.09	843.54	1019.75	1064.38
May	818.59	802.22	850.94	1020.04	1064.20
Jun	818.29	803.56	821.98	1020.99	1064.02
Jul	817.53	798.31	772.47	1020.86	1063.83
Aug	816.73	790.42	757.13	1019.66	1063.63
Sep	815.67	783.98	746.93	1019.39	1063.40
Oct	814.43	782.65	755.14	1021.15	1063.25
Nov	813.25	788.38	786.82	1020.53	1062.97
Dec	814.85	798.97	836.89	1022.24	1062.93
Jan 15	813.87	798.69	829.96	1020.63	1062.97
Feb	813.57	790.07	783.60	1019.66	1062.85
Mar	813.89	788.12	756.86	1020.06	1062.81
Apr	811.97	785.97	789.51	1019.11	1062.64
May	811.28	785.63	776.32	1017.84	1062.42
Jun	810.25	782.50	754.94	1016.68	1062.27
Jul	808.87	781.65	796.33	1014.28	1062.06
Aug	807.86	781.57	790.97	1014.37	1061.86
Sep	807.40	782.21	770.46	1014.73	1061.68
Oct	806.55	785.05	782.19	1013.40	1061.33
Nov	805.81	782.95	797.00	1012.36	1061.15
Dec	805.90	787.74	823.31	1013.51	1060.97

Notes:

(1) Data reported as daily median value for period of record.

Source: USGS California Water Science Center.

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**Water Quality Data for Multiple Depth Monitoring Well
Temecula Creek Well (8S/2W-15F1-5)
May 2013**

Code	Parameter	MCL	Well F1 5/16/2013	Well F2 5/14/2013	Well F3 5/13/2013	Well F4 5/14/2013	Well F5 5/14/2013
Sampling date							
3	Sampling depth, feet						
10	Temperature, water, degrees Celsius			22.0	21.9	24.8	23.4
28	Agency analyzing sample, code		80020	80020	80020	80020	80020
59	Flow rate, instantaneous, gallons per minute						
95	Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius						
191	Hydrogen ion, water, unfiltered, calculated, milligrams per liter		480	483	504	717	1060
300	Dissolved oxygen, water, unfiltered, milligrams per liter					0.00001	0.00003
400	pH, water, unfiltered, field, standard units			0.9	2.4	3.1	3.1
403	pH, water, unfiltered, laboratory, standard units			9.6	9.5	8.0	7.5
405	Carbon dioxide, water, unfiltered, milligrams per liter			9.5	9.5	8.2	7.9
452	Carbonate, water filtered, inflection-point titration method, field, milligrams per liter			M	0.1	2.1	12
453	Bicarbonate, water, filtered, incremental titration, field, milligrams per liter						
602	Total nitrogen, water, filtered, milligrams per liter		< 0.12	0.71	< 0.16	3.5	5.4
607	Organic nitrogen, water, filtered, milligrams per liter		0.05	0.37	0.10	0.52	0.52
608	Ammonia, water, filtered, milligrams per liter, as nitrogen		0.04	0.05	0.01	0.02	0.01
613	Nitrite, water, filtered, milligrams per liter, as nitrogen	1 (a)	0.003	< 0.001	< 0.001	0.148	0.014
618	Nitrate, water, filtered, milligrams per liter, as nitrogen		< 0.037	0.3	< 0.040	3.26	4.82
623	Ammonia plus organic nitrogen, water, filtered, milligrams per liter, as nitrogen		0.09	0.41	0.12	0.12	0.53
631	Nitrate plus nitrite, water, filtered, milligrams per liter, as nitrogen		< 0.040	0.30	< 0.040	3.4	4.84
660	Orthophosphate, water, filtered, milligrams per liter		0.117	0.502	1.12	0.409	1.07
666	Phosphorus, water, filtered, milligrams per liter		0.03	0.15	0.47	0.14	0.35
671	Orthophosphate, water, filtered, milligrams per liter, as phosphorus		0.038	0.164	0.366	0.133	0.350
681	Organic carbon, water, filtered, milligrams per liter		0.58	1.12	0.83	0.85	1.82
900	Hardness, water, milligrams per liter, as calcium carbonate					116	242
904	Noncarb hardness, water filtered field, milligrams per liter, as calcium carbonate					17	38
905	Noncarb hardness, water filtered lab, milligrams per liter, as calcium carbonate					9	18
915	Calcium, water, filtered, milligrams per liter		1.03	0.924	0.777	37.8	65.6
925	Magnesium, water, filtered, milligrams per liter						
930	Sodium, water, filtered, milligrams per liter		100	102	105	100	125
931	Sodium adsorption ratio, water, number					4.06	3.50
932	Sodium fraction of cations, water, percent in equivalents of major cations					65	52
935	Potassium, water, filtered, milligrams per liter		0.34	0.50	0.55	2.95	4.19
940	Chloride, water, filtered, milligrams per liter		600	48.2	48.4	120	86.2
945	Sulfate, water, filtered, milligrams per liter		600	8.91	8.18	10.0	16.1
950	Fluoride, water, filtered, milligrams per liter	2 (b)	7.56	7.94	7.89	0.14	0.49
955	Silica, water, filtered, milligrams per liter		22.4	19.5	15.1	22.3	27.0
1000	Arsenic, water, filtered, micrograms per liter	10 (c)	41.2	53.6	42.3	1.4	3.5
1005	Barium, water, filtered, micrograms per liter	1000 (d)	2.4			126	32.5
1010	Beryllium, micrograms per liter	4 (e)					
1020	Boron, water, filtered, micrograms per liter		2080	1860	1900	91	201
1025	Cadmium, micrograms per liter						
1030	Chromium, micrograms per liter	5 (f)					
1035	Cobalt, micrograms per liter	50 (g)					
1040	Copper, micrograms per liter						
1046	Iron, water, filtered, micrograms per liter		1000 (h)	46.3	22.4	< 4.0	5.8
1049	Lead, micrograms per liter		300	10.2			
1056	Manganese, water, filtered, micrograms per liter		50		1.46	2.31	5.56
1057	Thallium, micrograms per liter		2 (i)				4.97
1060	Molybdenum, micrograms per liter						
1065	Nickel, micrograms per liter		100 (j)				
1075	Silver, micrograms per liter		100 (k)	6.9	7.6	8.7	511
1080	Strontium, water, filtered, micrograms per liter						366
1085	Vanadium, micrograms per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Temecula Creek Well (8S/2W-15F1-5)
May 2013**

Code	Parameter	MCL	Well F1	Well F2	Well F3	Well F4	Well F5
Sampling date		5/16/2013	5/14/2013	5/13/2013	5/14/2013	5/14/2013	
1090	Zinc, micrograms per liter	5000 (l) 6 (m)					
1095	Antimony, micrograms per liter						
1106	Aluminum, water filtered, micrograms per liter	1000 (n)	69.0	181	88.6	5.2	
1130	Lithium, water, filtered, micrograms per liter	E6.19	E3.73	E2.99	E5.99	E4.35	
1145	Selenium, micrograms per liter	50 (o)					
4022	Terbutylazine, water, filtered, recoverable, micrograms per liter						
4025	Hexazinone, water, filtered, recoverable, micrograms per liter						
4029	Bromacil, water, filtered, recoverable, micrograms per liter						
4035	Simazine, water, filtered, recoverable, micrograms per liter						
4036	Prometryn, water, filtered, recoverable, micrograms per liter						
4037	Prometon, water, filtered, recoverable, micrograms per liter						
4040	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, micrograms per liter						
4095	Fonofos, water, filtered, recoverable, micrograms per liter		R -0.2	R 0.0	R 0.2	R 0.2	
7000	Tritium, water, unfiltered, picocuries per liter					6.5	
22703	Uranium, natural, micrograms per liter						
29801	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, laboratory, milligrams per liter as calcium carbonate						
30217	Dibromomethane, water, unfiltered, recoverable, micrograms per liter		138	136	148	107	
32101	Bromodichloromethane, water, unfiltered, recoverable, micrograms per liter					224	
32102	Tetrachloromethane, water, unfiltered, recoverable, micrograms per liter						
32103	1,2-Dichloroethane, water, unfiltered, recoverable, micrograms per liter		0.5				
32104	Tribromomethane, water, unfiltered, recoverable, micrograms per liter						
32105	Dibromochloromethane, water, unfiltered, recoverable, micrograms per liter						
32106	Trichloromethane, water, unfiltered, recoverable, micrograms per liter						
34010	Toluene, water, unfiltered, recoverable, micrograms per liter		150				
34030	Benzene, water, unfiltered, recoverable, micrograms per liter		1				
34215	Acrylonitrile, water, unfiltered, recoverable, micrograms per liter						
34221	Anthracene, water, filtered, recoverable, micrograms per liter						
34248	Benzotriphenylene, water, filtered, recoverable, micrograms per liter			0.2 (p)			
34288	Tribromomethane, water, filtered, recoverable, micrograms per liter						
34301	Chlorobenzene, water, unfiltered, recoverable, micrograms per liter			70			
34311	Chloroethane, water, unfiltered, recoverable, micrograms per liter						
34371	Ethylbenzene, water, unfiltered, recoverable, micrograms per liter			300			
34377	Fluoranthene, water, filtered, recoverable, micrograms per liter						
34396	Heptachloroethane, water, unfiltered, recoverable, micrograms per liter						
34409	Isophorone, water, filtered, recoverable, micrograms per liter						
34413	Bromoform, water, unfiltered, recoverable, micrograms per liter						
34418	Chloromethane, water, unfiltered, recoverable, micrograms per liter						
34423	Dichloromethane, water, unfiltered, recoverable, micrograms per liter						
34443	Naphthalene, water, filtered, recoverable, micrograms per liter						
34462	Phenanthrene, water, unfiltered, recoverable, micrograms per liter						
34466	Phenol, water, filtered, recoverable, micrograms per liter						
34470	Pyrene, water, filtered, recoverable, micrograms per liter						
34475	Tetrachloroethene, water, unfiltered, recoverable, micrograms per liter			5			
34476	Tetrachloroethylene, water, filtered, recoverable, micrograms per liter						
34488	Trichlorofluoromethane, water, unfiltered, recoverable, micrograms per liter						
34496	1,1-Dichloroethane, water, unfiltered, recoverable, micrograms per liter						
34501	1,1-Dichloroethene, water, unfiltered, recoverable, micrograms per liter						
34506	1,1,1-Trichloroethane, water, unfiltered, recoverable, micrograms per liter						
34511	1,1,2-Trichloroethane, water, unfiltered, recoverable, micrograms per liter						
34516	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter						
34536	1,2-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter						
34541	1,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter						
34546	trans-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Temecula Creek Well (8S/2W-15F1-5)
May 2013**

Code	Parameter	MCL	Well F1	Well F2	Well F3	Well F4	Well F5
	Sampling date		5/16/2013	5/14/2013	5/13/2013	5/14/2013	5/14/2013
34551	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter		5				
34566	1,3-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter		5				
34571	1,4-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter		5				
34572	1,4-Dichlorobenzene, water, filtered, recoverable, micrograms per liter						
34668	Dichlorodifluoromethane, water, unfiltered, recoverable, micrograms per liter						
34696	Naphthalene, water, unfiltered, recoverable, micrograms per liter						
34699	trans-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5					
34704	cis-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5					
38454	Diclorophos, water, filtered, recoverable, micrograms per liter						
38775	Dichlorvos, water, filtered, recoverable, micrograms per liter						
38933	Chlorpyrifos, water, filtered, recoverable, micrograms per liter						
39086	Alkalinity, water, filtered, incremental titration, field, milligrams per liter as calcium carbonate		132	262	145	99	204
39175	Vinyl chloride, water, unfiltered, recoverable, micrograms per liter	0.5					
39180	Trichloroethylene, water, unfiltered, recoverable, micrograms per liter	5					
39381	Dieldrin, water, filtered, recoverable, micrograms per liter						
39415	Metolachlor, water, filtered, recoverable, micrograms per liter						
39532	Malathion, water, filtered, recoverable, micrograms per liter						
39572	Diazinon, water, filtered, recoverable, micrograms per liter						
39632	Atrazine, water, filtered, recoverable, micrograms per liter						
39702	Hexachlorobutadiene, water, unfiltered, recoverable, micrograms per liter						
46342	Alachlor, water, filtered, recoverable, micrograms per liter						
49260	Acetochlor, water, filtered, recoverable, micrograms per liter						
49295	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
49933	C-14, water, filtered, percent modern		0.66	3.17	2.11	55.26	94.5
49934	C-14, counting error, water, filtered, percent modern		0.05	0.07	0.06	0.23	0.29
49991	Methyl acrylate, water, unfiltered, recoverable, micrograms per liter						
49999	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter						
50000	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter						
50002	Bromoethene, water, unfiltered, recoverable, micrograms per liter						
50004	tert-Butyl ethyl ether, water, unfiltered, recoverable, micrograms per liter						
50005	Methyl tert-pentyl ether, water, unfiltered, recoverable, micrograms per liter						
50305	Caffeine, water, filtered, recoverable, micrograms per liter						
50359	Metaxyl, water, filtered, recoverable, micrograms per liter						
61209	Perchlorate, water, unfiltered, recoverable, micrograms per liter	6					
61585	Cyfluthrin, water, filtered, recoverable, micrograms per liter						
61586	Cypermethrin, water, filtered, recoverable, micrograms per liter						
61591	Fenamiphos, water, filtered, recoverable, micrograms per liter						
61593	Iprodione, water, filtered, recoverable, micrograms per liter						
61594	Isofenphos, water, filtered, recoverable, micrograms per liter						
61596	Metaxyl, water, filtered, recoverable, micrograms per liter						
61598	Methidathion, water, filtered, recoverable, micrograms per liter						
61599	Myclobutanil, water, filtered, recoverable, micrograms per liter						
61601	Phosmet, water, filtered, recoverable, micrograms per liter						
61610	Tribuphos, water, filtered, recoverable, micrograms per liter						
61618	2-Chloro-2',6'-diethylacetanilide, water, filtered, recoverable, micrograms per liter						
61620	2-Ethyl-6-methylaniline, water, filtered, recoverable, micrograms per liter						
61625	3,4-Dichloroaniline, water, filtered, recoverable, micrograms per liter						
61633	4-Chloro-2-methylphenol, water, filtered, recoverable, micrograms per liter						
61635	Azinphos-methyl oxygen analog, water, filtered, recoverable, micrograms per liter						
61636	Chlorpyrifos oxygen analog, water, filtered, recoverable, micrograms per liter						
61644	Ethion monoxon, water, filtered, recoverable, micrograms per liter						
61645	Fenamiphos sulfone, water, filtered, recoverable, micrograms per liter						
61646	Fenamiphos sulfoxide, water, filtered, recoverable, micrograms per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Temecula Creek Well (8S/2W-15F1-5)
May 2013**

Code	Parameter	MCL	Well F1	Well F2	Well F3	Well F4	Well F5
	Sampling date		5/16/2013	5/14/2013	5/13/2013	5/14/2013	5/14/2013
61652	Malaoxon, water, filtered, recoverable, micrograms per liter						
61664	Methyl paraoxon, water, filtered, recoverable, micrograms per liter						
61666	Phorate oxygen analog, water, filtered, recoverable, micrograms per liter						
61668	Phosmet oxygen analog, water, filtered, recoverable, micrograms per liter						
61674	Terbutofos oxygen analog sulfone, water, filtered, recoverable, micrograms per liter						
61705	Dieethoxyoctylphenol, water, filtered, recoverable, micrograms per liter						
61706	Monooethoxyoctylphenol, water, filtered, recoverable, micrograms per liter						
62005	Cotinine, water, filtered, recoverable, micrograms per liter						
62054	1-Methylnaphthalene, water, filtered, recoverable, micrograms per liter						
62055	2,6-Dimethylnaphthalene, water, filtered, recoverable, micrograms per liter						
62056	2-Methylnaphthalene, water, filtered, recoverable, micrograms per liter						
62057	3-beta-Coprostanol, water, filtered, recoverable, micrograms per liter						
62058	3-Methyl-1H-indole, water, filtered, recoverable, micrograms per liter						
62059	3-tert-Butyl-4-hydroxyxanisole, water, filtered, recoverable, micrograms per liter						
62060	4-Cumylphenol, water, filtered, recoverable, micrograms per liter						
62061	4-Octylphenol, water, filtered, recoverable, micrograms per liter						
62062	4-tert-Octylphenol, water, filtered, recoverable, micrograms per liter						
62063	5-Methyl-1H-benzotriazole, water, filtered, recoverable, micrograms per liter						
62064	Acetophenone, water, filtered, recoverable, micrograms per liter						
62065	Acetyl hexamethyl tetrahydro naphthalene, water, filtered, recoverable, micrograms per liter						
62066	9,10-Anthraquinone, water, filtered, recoverable, micrograms per liter						
62067	Benzophenone, water, filtered, recoverable, micrograms per liter						
62068	beta-Sitosterol, water, filtered, recoverable, micrograms per liter						
62070	Camphor, water, filtered, recoverable, micrograms per liter						
62071	Carbazole, water, filtered, recoverable, micrograms per liter						
62072	Cholesterol, water, filtered, recoverable, micrograms per liter						
62073	D-Limonene, water, filtered, recoverable, micrograms per liter						
62075	Hexahydrohexamethyl cyclopentabenzopyran, water, filtered, recoverable, micrograms per liter						
62076	Indole, water, filtered, recoverable, micrograms per liter						
62077	Isoborneol, water, filtered, recoverable, micrograms per liter						
62078	Isopropylbenzene, water, filtered, recoverable, micrograms per liter						
62079	Isoquinaline, water, filtered, recoverable, micrograms per liter						
62080	Menthol, water, filtered, recoverable, micrograms per liter						
62081	Methyl salicylate, water, filtered, recoverable, micrograms per liter						
62082	DEET, water, filtered, recoverable, micrograms per liter						
62083	Dieethoxynonylphenol, water, filtered, recoverable, micrograms per liter						
62084	p-Cresol, water, filtered, recoverable, micrograms per liter						
62085	4-Nonylphenol, water, filtered, recoverable, micrograms per liter						
62086	beta-Stigmastanol, water, filtered, recoverable, micrograms per liter						
62087	Tris(2-chloroethyl) phosphate, water, filtered, recoverable, micrograms per liter						
62088	Tris(dichloroisopropyl) phosphate, water, filtered, recoverable, micrograms per liter						
62089	Tributyl phosphate, water, filtered, recoverable, micrograms per liter						
62090	Triclosan, water, filtered, recoverable, micrograms per liter						
62091	Triethyl/citrate, water, filtered, recoverable, micrograms per liter						
62092	Triphenyl phosphate, water, filtered, recoverable, micrograms per liter						
62093	Tris(2-butoxyethyl) phosphate, water, filtered, recoverable, micrograms per liter						
62166	Fipronil, water, filtered, recoverable, micrograms per liter						
62167	Fipronil sulfide, water, filtered, recoverable, micrograms per liter						
62168	Fipronil sulfone, water, filtered, recoverable, micrograms per liter						
62169	Desulfvinifipronil amide, water, filtered, recoverable, micrograms per liter						
62170	Desulfvinifipronil, water, filtered, recoverable, micrograms per liter						
62854	Total nitrogen, (NH ₃ +NO ₂ +Organic), filtered, milligrams per liter						
63790	Perchlorate, water, filtered, recoverable, micrograms per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Temecula Creek Well (8S/2W-15F1-5)
May 2013**

Code	Parameter	MCL	Well F1	Well F2	Well F3	Well F4	Well F5
	Sampling date		5/16/2013	5/14/2013	5/13/2013	5/14/2013	5/14/2013
70300	Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter	1500	293	267	299	422	658
70301	Residue, water, filtered, sum of constituents, milligrams per liter					E 415	E 634
70303	Residue, water, filtered, tons per acre-foot						
71846	Ammonia, water, filtered, milligrams per liter, as NH ₄	45 (q)	< 0.162	0.047	0.058	0.019	0.021
71851	Nitrate, water, filtered, milligrams per liter			0.011	< 0.003	< 0.003	0.016
71856	Nitrite, water, filtered, milligrams per liter			0.078	0.085	0.075	0.485
71865	Iodide, water, filtered, milligrams per liter			0.108	0.129	0.131	0.047
71870	Bromide, water, filtered, milligrams per liter						0.008
72019	Depth to water level, feet below land surface						
73547	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, micrograms per liter						
73570	Ethyl methacrylate, water, unfiltered, recoverable, micrograms per liter						
75985	Tritium 2-sigma combined uncertainty, water, unfiltered, picocuries per liter						
76002	Rn-222, 2-sigma combined uncertainty, water, unfiltered, picocuries per liter						
77041	Carbon disulfide, water, unfiltered, micrograms per liter						
77093	cis-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter	6					
77103	n-Butyl methyl ketone, water, unfiltered, recoverable, micrograms per liter						
77128	Styrene, water, unfiltered, recoverable, micrograms per liter	100					
77135	o-Xylene, water, unfiltered, recoverable, micrograms per liter						
77168	1,1-Dichloropropene, water, unfiltered, recoverable, micrograms per liter						
77170	2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter						
77173	1,3-Dichloropropane, water, unfiltered, recoverable, micrograms per liter						
77220	2-Ethyltoluene, water, unfiltered, recoverable, micrograms per liter						
77221	1,2,3-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter						
77222	1,2,4-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter						
77223	Isopropylbenzene, water, unfiltered, recoverable, micrograms per liter						
77224	n-Propylbenzene, water, unfiltered, recoverable, micrograms per liter						
77226	1,3,5-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter						
77225	2-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter						
77227	4-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter						
77297	Bromochloromethane, water, unfiltered, recoverable, micrograms per liter						
77342	n-Butylbenzene, water, unfiltered, recoverable, micrograms per liter						
77350	sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter						
77353	tert-Butylbenzene, water, unfiltered, recoverable, micrograms per liter						
77356	4-Isopropyltoluene, water, unfiltered, recoverable, micrograms per liter						
77424	Iodomethane, water, unfiltered, recoverable, micrograms per liter						
77443	1,2,3-Trichloropropane, water, unfiltered, recoverable, micrograms per liter						
77562	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter						
77613	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter						
77651	1,2-Dibromoethane, water, unfiltered, recoverable, micrograms per liter	0.05					
77652	1,1,2,2-Tetrachloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, micrograms per liter						
78032	Methyl tert-butyl ether, water, unfiltered, recoverable, micrograms per liter						
78109	3-Chloropropene, water, unfiltered, recoverable, micrograms per liter						
78133	Isobutyl methyl ketone, water, unfiltered, recoverable, micrograms per liter						
81552	Acetone, water, unfiltered, recoverable, micrograms per liter						
81555	Bromobenzene, water, unfiltered, recoverable, micrograms per liter						
81576	Diethyl ether, water, unfiltered, recoverable, micrograms per liter						
81577	Diisopropyl ether, water, unfiltered, recoverable, micrograms per liter						
81593	Methyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter						
81595	Ethyl methyl ketone, water, unfiltered, recoverable, micrograms per liter						
81597	Methyl methacrylate, water, unfiltered, recoverable, micrograms per liter						
81607	Tetrahydrofuran, water, unfiltered, recoverable, micrograms per liter						
82081	C-13/C-12 ratio, water, unfiltered, per mil	-9.44	-10.68	-10.94	-14.91	-47.70	-13.49
82082	Deuterium/Protium ratio, water, unfiltered, per mil	-55.40	-55.70	-55.10	-47.70	-58.30	-58.30

**Water Quality Data for Multiple Depth Monitoring Well
Temecula Creek Well (8S/2W-15F1-5)
May 2013**

Code	Parameter	MCL	Well F1	Well F2	Well F3	Well F4	Well F5
82085	Oxygen-18/Oxygen-16 ratio, water, unfiltered, per mil		-8.31	-8.35	-8.26	-6.86	-7.73
82303	Rn-222, water, unfiltered, picocuries per liter						
82346	Ethion, water, filtered, recoverable, micrograms per liter						
82625	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, micrograms per liter						
82630	Metrizobuzin, water, filtered, recoverable, micrograms per liter						
82660	2,6-Diethyltoluoline, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82661	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82662	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82664	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82667	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82670	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82673	Benzfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82675	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82676	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82680	Carbars, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82682	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82683	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82686	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82687	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
85795	m-Xylene plus p-Xylene, water, unfiltered, recoverable, micrograms per liter						
90095	Specific conductance, water, unfiltered, laboratory, microsiemens per centimeter at 25 degrees Celsius		472	450	496	720	1040
90851	Tricholomethanes, water, unfiltered, calcd, micrograms per liter						
99583	Bisphenol A-d3, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99584	Caffeine-13C, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99585	Decafluorobiphenyl, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99586	Fluoranthene-d10, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99832	1,2-Dichloroethane-d4, surrogate, Schedule 2090, water, unfiltered, percent recovery						
99833	Toluene-d8, surrogate, Schedule 2090, water, unfiltered, percent recovery						
99834	1-Bromo-4-fluorobenzene, surrogate, VOC schedule, water, unfiltered, percent recovery						
99994	Diazinon-d10, surrogate, Schedule 2003, water, filtered, percent recovery						
99995	alpha-HCH-d6, surrogate, Schedule 2003, water, filtered, percent recovery						

Notes:

U.S. EPA STORET numbers for MCLs correspond to the same as the USGS NWIS data parameter number except as follows:

- (a) MCL shown for U.S. EPA STORET No. 620.
- (b) MCL shown for U.S. EPASTORET No. 951.
- (c) MCL shown for U.S. EPA STORET No. 1002.
- (d) MCL shown for U.S. EPA STORET No. 1007.
- (e) MCL shown for U.S. EPA STORET No. 1012.
- (f) MCL shown for U.S. EPA STORET No. 1027.
- (g) MCL shown for U.S. EPA STORET No. 1034.
- (h) MCL shown for U.S. EPA STORET No. 1042.
- (i) MCL shown for U.S. EPA STORET No. 1059.
- (j) MCL shown for U.S. EPA STORET No. 1067.
- (k) MCL shown for U.S. EPASTORET No. 1077.
- (l) MCL shown for U.S. EPA STORET No. 1092.
- (m) MCL shown for U.S. EPA STORET No. 1097.
- (n) MCL shown for U.S. EPA STORET No. 1105.
- (o) MCL shown for U.S. EPA STORET No. 1147.
- (p) MCL shown for U.S. EPA STORET No. 34247.
- (q) MCL shown for U.S. EPA STORET No. 71850.

Code—Data parameter number used in USGS National Water Information System (NWIS).

E—Estimated.

M—Presence verified but not quantified.

MCL—Maximum Contaminant Level reported by California DHS (May 25, 2007 Database) for U.S. EPA STORET number.

V—Biased results from contamination.

**Water Quality Data for Multiple Depth Monitoring Well
Temecula Creek Well (8Sj2W-15F1-5)
October 2014**

Code	Parameter	MCL	Well F1	Well F2	Well F3	Well F4	Well F5
		10/14/2014	10/15/2014	10/15/2014	10/14/2014	10/14/2014	10/14/2014
3	Sampling date						
10	Sampling depth, feet			23.9	23.2	22.2	20.9
28	Temperature, water, degrees Celsius		80020	80020	80020	80020	80020
59	Flow rate, instantaneous, gallons per minute						
95	Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius		442	451	442	638	1160
191	Hydrogen ion, water, unfiltered, calculated, milligrams per liter					0.00003	0.00008
300	Dissolved oxygen, water, unfiltered, milligrams per liter			1.1	0.2	0.2	1.4
400	pH, water, unfiltered, field, standard units			9.4	9.5	9.6	7.1
403	pH, water, unfiltered, laboratory, standard units			9.3	9.4	9.4	7.5
405	Carbon dioxide, water, unfiltered, milligrams per liter			0.1	0.1	M	39
452	Carbonate, water filtered, inflection-point titration method, field, milligrams per liter			19	24	24.2	0.4
453	Bicarbonate, water, filtered, incremental titration, field, milligrams per liter			124	122	116	306
602	Total nitrogen, water, filtered, milligrams per liter			< 0.20	< 0.23	< 0.11	3.8
607	Organic nitrogen, water, filtered, milligrams per liter			0.12	0.15	< 0.05	< 0.07
608	Ammonia, water, filtered, milligrams per liter as nitrogen			0.04	0.04	0.02	< 0.01
613	Nitrite, water, filtered, milligrams per liter as nitrogen		1 (a)	< 0.001	< 0.001	< 0.001	< 0.001
618	Nitrate, water, filtered, milligrams per liter as nitrogen			< 0.040	< 0.040	< 0.040	3.73
623	Ammonia plus organic nitrogen, water, filtered, milligrams per liter as nitrogen			0.15	0.19	< 0.07	0.07
631	Nitrate plus nitrite, water, filtered, milligrams per liter as nitrogen			< 0.040	< 0.040	< 0.040	3.73
660	Orthophosphate, water, filtered, milligrams per liter			0.095	0.496	0.169	0.238
666	Phosphorus, water, filtered, milligrams per liter			0.04	0.16	0.06	0.09
671	Orthophosphate, water, filtered, milligrams per liter as phosphorus			0.031	0.162	0.055	0.078
681	Organic carbon, water, filtered, milligrams per liter			3.28	3.51	2.66	149
900	Hardness, water, milligrams per liter as calcium carbonate					59	358
904	Noncarbon hardness, water filtered field, milligrams per liter as calcium carbonate					56	106
905	Noncarbon hardness, water filtered lab, milligrams per liter as calcium carbonate					101	
915	Calcium, water, filtered, milligrams per liter					97.8	
925	Magnesium, water, filtered, milligrams per liter					93.2	
930	Sodium, water, filtered, milligrams per liter					124	
931	Sodium adsorption ratio, water, number					2.84	
932	Sodium fraction of cations, water, percent in equivalents of major cations					2.57	
935	Potassium, water, filtered, milligrams per liter					2.3	
940	Chloride, water, filtered, milligrams per liter					4.54	
945	Sulfate, water, filtered, milligrams per liter					184	
950	Fluoride, water, filtered, milligrams per liter					0.40	
955	Silica, water, filtered, milligrams per liter					26.8	
1000	Arsenic, water, filtered, micrograms per liter					1.1	
1005	Barium, water, filtered, micrograms per liter					46.7	
1010	Beryllium, micrograms per liter						
1020	Boron, water, filtered, micrograms per liter						
1025	Cadmium, micrograms per liter						
1030	Chromium, micrograms per liter						
1035	Cobalt, micrograms per liter						
1040	Copper, micrograms per liter						
1046	Iron, water, filtered, micrograms per liter					< 4.0	
1049	Lead, micrograms per liter						
1056	Manganese, water, filtered, micrograms per liter						
1057	Thallium, micrograms per liter						
1060	Molybdenum, micrograms per liter						
1065	Nickel, micrograms per liter						
1075	Silver, micrograms per liter						
1080	Strontium, water, filtered, micrograms per liter						
1085	Zinc, micrograms per liter						
1090	Zinc, micrograms per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Temecula Creek Well (8Sj2W-15F1-5)
October 2014**

Code	Parameter	MCL	Well F1	Well F2	Well F3	Well F4	Well F5
	Sampling date		10/14/2014	10/15/2014	10/15/2014	10/14/2014	10/14/2014
1095	Antimony, micrograms per liter	6 (m)					
1106	Aluminum, water, filtered, micrograms per liter	>1000 (n)	53.9	163	36.2	3.2	<3.0
1130	Lithium, water, filtered, micrograms per liter		5.93	3.80	3.11	5.30	3.92
1145	Selenium, micrograms per liter	50 (o)					
4022	Terbutylazine, water, filtered, recoverable, micrograms per liter						
4025	Hexazinone, water, filtered, recoverable, micrograms per liter						
4029	Bromacil, water, filtered, recoverable, micrograms per liter						
4035	Simazine, water, filtered, recoverable, micrograms per liter						
4036	Prometryn, water, filtered, recoverable, micrograms per liter						
4037	Prometon, water, filtered, recoverable, micrograms per liter						
4040	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, micrograms per liter						
4095	Fonofos, water, filtered, recoverable, micrograms per liter						
7000	Tritium, water, unfiltered, picocuries per liter		0.2	R 0.1	0.2	0.3	6.8
22703	Uranium, natural, micrograms per liter						
29801	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, laboratory, milligrams per liter as calcium carbonate		138	135	142	93.3	256
30217	Dibromomethane, water, unfiltered, recoverable, micrograms per liter						
32101	Bromodichloromethane, water, unfiltered, recoverable, micrograms per liter						
32102	Tetrachloromethane, water, unfiltered, recoverable, micrograms per liter						
32103	1,2-Dichloroethane, water, unfiltered, recoverable, micrograms per liter						
32104	Tribromomethane, water, unfiltered, recoverable, micrograms per liter						
32105	Dibromochloromethane, water, unfiltered, recoverable, micrograms per liter						
32106	Trichloromethane, water, unfiltered, recoverable, micrograms per liter						
34010	Toluene, water, unfiltered, recoverable, micrograms per liter		150	1			
34030	Benzene, water, unfiltered, recoverable, micrograms per liter						
34215	Acrylonitrile, water, unfiltered, recoverable, micrograms per liter						
34221	Anthracene, water, filtered, recoverable, micrograms per liter						
34248	Benzo(a)pyrene, water, filtered, recoverable, micrograms per liter	0.2 (p)					
34288	Tribromomethane, water, unfiltered, recoverable, micrograms per liter						
34301	Chlorobenzene, water, unfiltered, recoverable, micrograms per liter						
34311	Ethylbenzene, water, unfiltered, recoverable, micrograms per liter						
34321	Fluoranthene, water, filtered, recoverable, micrograms per liter		300				
34377	Hexachloroethane, water, unfiltered, recoverable, micrograms per liter						
34396	Iophorone, water, filtered, recoverable, micrograms per liter						
34409	Phenanthrene, water, unfiltered, recoverable, micrograms per liter						
34413	Bromomethane, water, unfiltered, recoverable, micrograms per liter						
34418	Pyrene, water, filtered, recoverable, micrograms per liter						
34423	Dichloromethane, water, unfiltered, recoverable, micrograms per liter						
34443	Naphthalene, water, filtered, recoverable, micrograms per liter		5				
34462	Phenanthrene, water, filtered, recoverable, micrograms per liter						
34466	Phenol, water, filtered, recoverable, micrograms per liter						
34470	Pyrene, water, filtered, recoverable, micrograms per liter						
34475	Tetrachloroethene, water, unfiltered, recoverable, micrograms per liter		5				
34476	Tetrachloroethene, water, filtered, recoverable, micrograms per liter						
34488	Trichlorofluoromethane, water, unfiltered, recoverable, micrograms per liter		150				
34496	1,1-Dichloroethane, water, unfiltered, recoverable, micrograms per liter		5				
34501	1,1,1-Dichloroethane, water, unfiltered, recoverable, micrograms per liter		6				
34506	1,1,1,1-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter		200				
34511	1,1,2-Trichloroethane, water, unfiltered, recoverable, micrograms per liter		5				
34516	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter		1				
34536	1,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter		600				
34541	1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter		5				
34546	trans-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter		10				
34551	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter		5				
34566	1,3-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Temecula Creek Well (8Sj2W-15F1-5)
October 2014**

Code	Parameter	MCL	Well F1	Well F2	Well F3	Well F4	Well F5
	Sampling date		10/14/2014	10/15/2014	10/15/2014	10/14/2014	10/14/2014
34571	1,4-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter		5				
34572	1,4-Dichlorobenzene, water, filtered, recoverable, micrograms per liter						
34668	Dichlorodifluoromethane, water, unfiltered, recoverable, micrograms per liter						
34696	Naphthalene, water, unfiltered, recoverable, micrograms per liter						
34699	trans-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5					
34704	cis-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5					
38454	Dicrotophos, water, filtered, recoverable, micrograms per liter						
38775	Dichlorvos, water, filtered, recoverable, micrograms per liter						
38933	Chlorpyrifos, water, filtered, recoverable, micrograms per liter						
39086	Alkalinity, water, filtered, incremental titration, field, milligrams per liter as calcium carbonate						
39175	Vinyl chloride, water, unfiltered, recoverable, micrograms per liter	0.5					
39180	Trichloroethylene, water, unfiltered, recoverable, micrograms per liter	5					
39381	Deildrin, water, filtered, recoverable, micrograms per liter						
39415	Meiochlor, water, filtered, recoverable, micrograms per liter						
39532	Malathion, water, filtered, recoverable, micrograms per liter						
39572	Diazinon, water, filtered, recoverable, micrograms per liter						
39632	Atrazine, water, filtered, recoverable, micrograms per liter						
39702	Hexachlorobutadiene, water, unfiltered, recoverable, micrograms per liter						
46342	Aalachlor, water, filtered, recoverable, micrograms per liter						
49260	Acetochlor, water, filtered, recoverable, micrograms per liter						
49295	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
49333	C-14, water, filtered, percent modern						
49934	C-14, counting error, water, filtered, percent modern						
49991	Methyl acrylate, water, unfiltered, recoverable, micrograms per liter						
49999	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter						
50000	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter						
50002	Bromoethene, water, unfiltered, recoverable, micrograms per liter						
50004	tert-Butyl ethyl ether, water, unfiltered, recoverable, micrograms per liter						
50005	Methyl tert-pentyl ether, water, unfiltered, recoverable, micrograms per liter						
50305	Caffeine, water, filtered, recoverable, micrograms per liter						
50359	Metaiaxylyl, water, filtered, recoverable, micrograms per liter						
61209	Percichlorate, water, unfiltered, recoverable, micrograms per liter						
61585	Cyfluthrin, water, filtered, recoverable, micrograms per liter						
61586	Cypermethrin, water, filtered, recoverable, micrograms per liter						
61591	Fenamiphos, water, filtered, recoverable, micrograms per liter						
61593	Iprodione, water, filtered, recoverable, micrograms per liter						
61594	Isofenphos, water, filtered, recoverable, micrograms per liter						
61596	Metaiaxylyl, water, filtered, recoverable, micrograms per liter						
61598	Methidathion, water, filtered, recoverable, micrograms per liter						
61599	Myclobutanil, water, filtered, recoverable, micrograms per liter						
61601	Phosmet, water, filtered, recoverable, micrograms per liter						
61610	Tribuphos, water, filtered, recoverable, micrograms per liter						
61618	2-Chloro-2,6-diethylacetanilide, water, filtered, recoverable, micrograms per liter						
61620	2-Ethyl-6-methylaniline, water, filtered, recoverable, micrograms per liter						
61625	3,4-Dichloroaniline, water, filtered, recoverable, micrograms per liter						
61633	4-Chloro-2-methylphenol, water, filtered, recoverable, micrograms per liter						
61635	Azinphos-methyl oxygen analog, water, filtered, recoverable, micrograms per liter						
61636	Chlorpyrifos oxygen analog, water, filtered, recoverable, micrograms per liter						
61644	Ethion monoxon, water, filtered, recoverable, micrograms per liter						
61645	Fenamiphos sulfone, water, filtered, recoverable, micrograms per liter						
61646	Fenamiphos sulfoxide, water, filtered, recoverable, micrograms per liter						
61652	Malaioxon, water, filtered, recoverable, micrograms per liter						
61664	Methyl paraaxon, water, filtered, recoverable, micrograms per liter						
61666	Phorate oxygen analog, water, filtered, recoverable, micrograms per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Temecula Creek Well (8S12W-15F1-5)
October 2014**

Code	Parameter	MCL	Well F1	Well F2	Well F3	Well F4	Well F5
			10/14/2014	10/15/2014	10/15/2014	10/14/2014	10/14/2014
61668	Phosmet oxygen analog, water, filtered, recoverable, micrograms per liter						
61674	Terbutofos oxygen analog sulfone, water, filtered, recoverable, micrograms per liter						
61705	Diethoxyoctylphenol, water, filtered, recoverable, micrograms per liter						
61706	Monodeethoxyoctylphenol, water, filtered, recoverable, micrograms per liter						
62005	Cotinine, water, filtered, recoverable, micrograms per liter						
62054	1-Methylnaphthalene, water, filtered, recoverable, micrograms per liter						
62055	2,6-Dimethylnaphthalene, water, filtered, recoverable, micrograms per liter						
62056	2-Methylnaphthalene, water, filtered, recoverable, micrograms per liter						
62057	3-Beta-Coprostanol, water, filtered, recoverable, micrograms per liter						
62058	3-Methyl-1H-indole, water, filtered, recoverable, micrograms per liter						
62059	3-tert-Butyl-4-hydroxyanisole, water, filtered, recoverable, micrograms per liter						
62060	4-Cumylophenol, water, filtered, recoverable, micrograms per liter						
62061	4-Octylphenol, water, filtered, recoverable, micrograms per liter						
62062	4-tert-Octylphenol, water, filtered, recoverable, micrograms per liter						
62063	5-Methyl-1H-benzothiazole, water, filtered, recoverable, micrograms per liter						
62064	Acetophenone, water, filtered, recoverable, micrograms per liter						
62065	Acetyl hexamethyl tetrahydronaphthalene, water, filtered, recoverable, micrograms per liter						
62066	9,10-Aanthracinone, water, filtered, recoverable, micrograms per liter						
62067	Benzophenone, water, filtered, recoverable, micrograms per liter						
62068	beta-Sitosterol, water, filtered, recoverable, micrograms per liter						
62070	Camphor, water, filtered, recoverable, micrograms per liter						
62071	Carbazole, water, filtered, recoverable, micrograms per liter						
62072	Cholesterol, water, filtered, recoverable, micrograms per liter						
62073	D-Limonene, water, filtered, recoverable, micrograms per liter						
62075	Hexahydrohexamethyl cyclopentenekozypren, water, filtered, recoverable, micrograms per liter						
62076	Indole, water, filtered, recoverable, micrograms per liter						
62077	Isobornanol, water, filtered, recoverable, micrograms per liter						
62078	Isopropylbenzene, water, filtered, recoverable, micrograms per liter						
62079	Isouquinoline, water, filtered, recoverable, micrograms per liter						
62080	Menthol, water, filtered, recoverable, micrograms per liter						
62081	Methyl salicylate, water, filtered, recoverable, micrograms per liter						
62082	DEET, water, filtered, recoverable, micrograms per liter						
62083	Diethoxynonylphenol, water, filtered, recoverable, micrograms per liter						
62084	p-Cresol, water, filtered, recoverable, micrograms per liter						
62085	4-Nonylphenol, water, filtered, recoverable, micrograms per liter						
62086	beta-Sigmastrand, water, filtered, recoverable, micrograms per liter						
62087	Tris(2-chloroethyl) phosphate, water, filtered, recoverable, micrograms per liter						
62088	Tris(dichloroisopropyl) phosphate, water, filtered, recoverable, micrograms per liter						
62089	Trityl phosphate, water, filtered, recoverable, micrograms per liter						
62090	Tricosan, water, filtered, recoverable, micrograms per liter						
62091	Trifatty citrate, water, filtered, recoverable, micrograms per liter						
62092	Triphenyl phosphate, water, filtered, recoverable, micrograms per liter						
62093	Tris(2-butoxyethyl) phosphate, water, filtered, recoverable, micrograms per liter						
62166	Fipronil, water, filtered, recoverable, micrograms per liter						
62167	Fipronil sulfide, water, filtered, recoverable, micrograms per liter						
62168	Fipronil sulfone, water, filtered, recoverable, micrograms per liter						
62169	Desulfomylflorinil amide, water, filtered, recoverable, micrograms per liter						
62170	Desulfomylflorinil, water, filtered, recoverable, micrograms per liter						
62284	Total nitrogen, (NH3+NO2+NO3-Organic), filtered, milligrams per liter	6					
63790	Perchlorate, water, filtered, recoverable, micrograms per liter						
70301	Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter	1500	289	287	288	371	751
70301	Residue, water, filtered, sum of constituents, milligrams per liter		280	290	269	376	731
70303	Residue, water, filtered, tons per acre-foot						
71846	Ammonia, water, filtered, milligrams per liter as NH4+	0.047	0.048	0.021	< 0.013	< 0.013	< 0.013

**Water Quality Data for Multiple Depth Monitoring Well
Temecula Creek Well (8Sj2W-15F1-5)
October 2014**

Code	Parameter	MCL	Well F1	Well F2	Well F3	Well F4	Well F5
	Sampling date		10/14/2014	10/15/2014	10/15/2014	10/14/2014	10/14/2014
71851	Nitrate, water, filtered, milligrams per liter	45 (g)	< 0.177	< 0.177	< 0.177	16.5	20.9
71856	Nitrite, water, filtered, milligrams per liter		< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
71865	Iodide, water, filtered, milligrams per liter		0.081	0.088	0.067	0.001	0.008
71870	Bromide, water, filtered, milligrams per liter		0.104	0.133	0.125	0.401	0.322
72019	Depth to water level, feet below land surface						
73547	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, micrograms per liter						
73570	Ethyl methacrylate, water, unfiltered, recoverable, micrograms per liter						
75985	Titanium 2-sigma combined uncertainty, water, unfiltered, picocuries per liter						
76002	Rn-222, 2-sigma combined uncertainty, water, unfiltered, picocuries per liter						
77041	Carbon disulfide, water, unfiltered, micrograms per liter						
77093	cis-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter						
77103	n-Butyl methyl ketone, water, unfiltered, recoverable, micrograms per liter						
77128	Styrene, water, unfiltered, recoverable, micrograms per liter						
77135	o-Xylene, water, unfiltered, recoverable, micrograms per liter						
77168	1,1-Dichloropropene, water, unfiltered, recoverable, micrograms per liter						
77170	2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter						
77173	1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter						
77220	2-Ethyltoluene, water, unfiltered, recoverable, micrograms per liter						
77221	1,2,3-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter						
77222	1,2,4-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter						
77223	Isopropylbenzene, water, unfiltered, recoverable, micrograms per liter						
77224	n-Propylbenzene, water, unfiltered, recoverable, micrograms per liter						
77226	1,3,5-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter						
77275	2-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter						
77277	4-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter						
77297	Bromochloromethane, water, unfiltered, recoverable, micrograms per liter						
77342	n-Butylbenzene, water, unfiltered, recoverable, micrograms per liter						
77350	sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter						
77353	tert-Butylbenzene, water, unfiltered, recoverable, micrograms per liter						
77356	4-Isopropyltoluene, water, unfiltered, recoverable, micrograms per liter						
77424	Iodomethane, water, unfiltered, recoverable, micrograms per liter						
77443	1,2,3-Trichloropropane, water, unfiltered, recoverable, micrograms per liter						
77562	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter						
77613	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter						
77651	1,2-Dibromoethane, water, unfiltered, recoverable, micrograms per liter						
77652	1,1,2-Trichloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, micrograms per liter						
78032	Methyl tert-butyl ether, water, unfiltered, recoverable, micrograms per liter						
78109	3-Chloropropene, water, unfiltered, recoverable, micrograms per liter						
78133	Isobutyl methyl ketone, water, unfiltered, recoverable, micrograms per liter						
81552	Acetone, water, unfiltered, recoverable, micrograms per liter						
81555	Bromobenzene, water, unfiltered, recoverable, micrograms per liter						
81576	Diethyl ether, water, unfiltered, recoverable, micrograms per liter						
81577	Diisopropyl ether, water, unfiltered, recoverable, micrograms per liter						
81593	Methyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter						
81595	Ethyl methyl ketone, water, unfiltered, recoverable, micrograms per liter						
81597	Methyl methacrylate, water, unfiltered, recoverable, micrograms per liter						
81607	Tetrahydrofuran, water, unfiltered, recoverable, micrograms per liter						
82081	C-13C-12 ratio, water, unfiltered, per mil						
82082	Deuterium/Protium ratio, water, unfiltered, per mil						
82085	Oxygen-18/Oxygen-16 ratio, water, unfiltered, per mil						
82303	Rn-222, water, unfiltered, picocuries per liter						
82346	Ethion, water, filtered, recoverable, micrograms per liter						
82625	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, micrograms per liter						
82630	Meribusin, water, filtered, recoverable, micrograms per liter						

**Water Quality Data for Multiple Depth Monitoring Well
Temecula Creek Well (8S/2W-15F1-5)
October 2014**

Code	Parameter	MCL	Well F1	Well F2	Well F3	Well F4	Well F5
	Sampling date		10/14/2014	10/15/2014	10/15/2014	10/14/2014	10/14/2014
82660	2,6-Diethylaniline, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82661	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82662	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82664	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82667	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82670	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82673	Benthiuralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82675	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82676	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82680	Carbamyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82682	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82683	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82686	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82687	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
85795	m-Xylene plus p-xylene, water, unfiltered, recoverable, micrograms per liter						
90095	Specific conductance, water, unfiltered, laboratory, microsiemens per centimeter at 25 degrees Celsius		489	502	491	673	1190
90851	Tricholomethane, water, unfiltered, calcd, micrograms per liter						
99693	Bisphenol A-d3, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99884	Caffeine-13C, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99885	Decalfilobiphenyl, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99886	Fluoranthene-d10, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99832	1,2-Dichloroethane-d4, surrogate, Schedule 2030, water, unfiltered, percent recovery						
99833	Toluene-d8, surrogate, Schedule 2030, water, unfiltered, percent recovery						
99834	1-Bromo-4-fluorobenzene, surrogate, VOC schedules, water, unfiltered, percent recovery						
99994	Diazinon-d10, surrogate, Schedule 2003, water, filtered, percent recovery						
99995	alpha-HCH-d6, surrogate, Schedule 2003, water, filtered, percent recovery						

Notes:

U.S. EPA STORET numbers for MCLs correspond to the same as the USGS NWIS data parameter number except as follows:

- (a) MCL shown for U.S. EPA STORET No. 620.
- (b) MCL shown for U.S. EPA STORET No. 951.
- (c) MCL shown for U.S. EPA STORET No. 1002.
- (d) MCL shown for U.S. EPA STORET No. 1007.
- (e) MCL shown for U.S. EPA STORET No. 1012.
- (f) MCL shown for U.S. EPA STORET No. 1027.
- (g) MCL shown for U.S. EPA STORET No. 1034.
- (h) MCL shown for U.S. EPA STORET No. 1042.
- (i) MCL shown for U.S. EPA STORET No. 1059.
- (j) MCL shown for U.S. EPA STORET No. 1067.
- (k) MCL shown for U.S. EPA STORET No. 1077.
- (l) MCL shown for U.S. EPA STORET No. 1092.
- (m) MCL shown for U.S. EPA STORET No. 1097.
- (n) MCL shown for U.S. EPA STORET No. 1105.
- (o) MCL shown for U.S. EPA STORET No. 1147.
- (p) MCL shown for U.S. EPA STORET No. 34247.
- (q) MCL shown for U.S. EPA STORET No. 71850.

Code=Data parameter number used in USGS National Water Information System (NWIS).

E=Estimated.

M=Presence verified but not quantified.

MCL=Maximum Contaminant Level reported by California DHS (May 25, 2007 Database) for U.S. EPA STORET number.

V=Biased results from contamination.

ANNUAL REPORT

**COOPERATIVE WATER RESOURCE
MANAGEMENT AGREEMENT**

CALENDAR YEAR 2015

APPENDIX C-4

**VDC RECHARGE BASIN
GROUNDWATER MONITORING WELL**

Site Description

VDC Recharge Basin Groundwater Monitoring Well (8S/1W-6R1-6)

LOCATION: Latitude 33° 30' 01.7", longitude 117° 00' 57.8" (NAD83) in NW1/4 SE1/4 SE1/4 Section 6, T8S, R1W, Riverside County, California. Well is located off Pauba Road on Winner's Circle near Rancho California Water District VDC Recharge Basin in Temecula, California.

SITE INFORMATION: Land-surface altitude is 1252.78 feet above mean sea level (NAVD88).

WATER-LEVEL RECORD: The period of record for intermittent and daily water-level measurements is listed below.

State well number	USGS station number	Intermittent water-level	Daily water-level
8S/1W-6R1	333001117005701	1/28/2014 to present	4/24/2014 to present
8S/1W-6R2	333001117005702	1/28/2014 to present	4/24/2014 to present
8S/1W-6R3	333001117005703	1/28/2014 to present	4/24/2014 to present
8S/1W-6R4	333001117005704	1/28/2014 to present	—
8S/1W-6R5	333001117005705	1/28/2014 to present	4/24/2014 to present
8S/1W-6R6	333001117005706	1/28/2014 to present	—

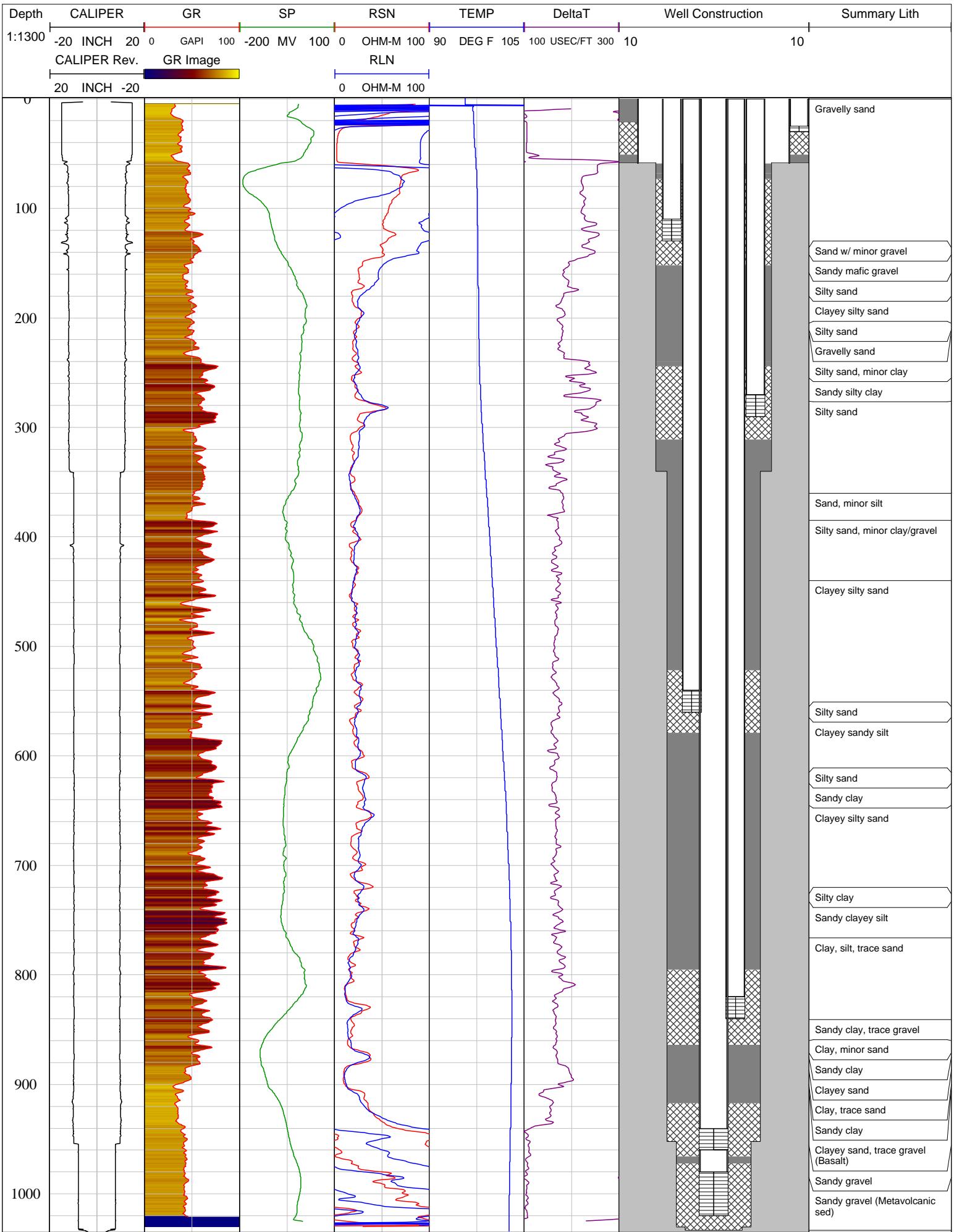
TOPOGRAPHIC MAP: USGS Bachelor Mountain, California, 7.5 minute series.

WELL SUMMARY INFORMATION:

State well number	USGS station number	Hole depth (ft)	Perforation depth (ft)	Casing size and type	Date drilled
8S/1W-6R1	333001117005701	1033	940-960, 980-1020	3" PVC	8/31/13
8S/1W-6R2	333001117005702	1033	820-840	2" PVC	8/31/13
8S/1W-6R3	333001117005703	1033	540-560	2" PVC	8/31/13
8S/1W-6R4	333001117005704	1033	270-290	2" PVC	8/31/13
8S/1W-6R5	333001117005705	1033	110-130	2" PVC	8/31/13
8S/1W-6R6	333001117005706	1033	25-30	2" PVC	8/31/13

ADDITIONAL INFORMATION:

Additional information can also be found at the following web site:
<http://ca.water.usgs.gov/temecula/>.

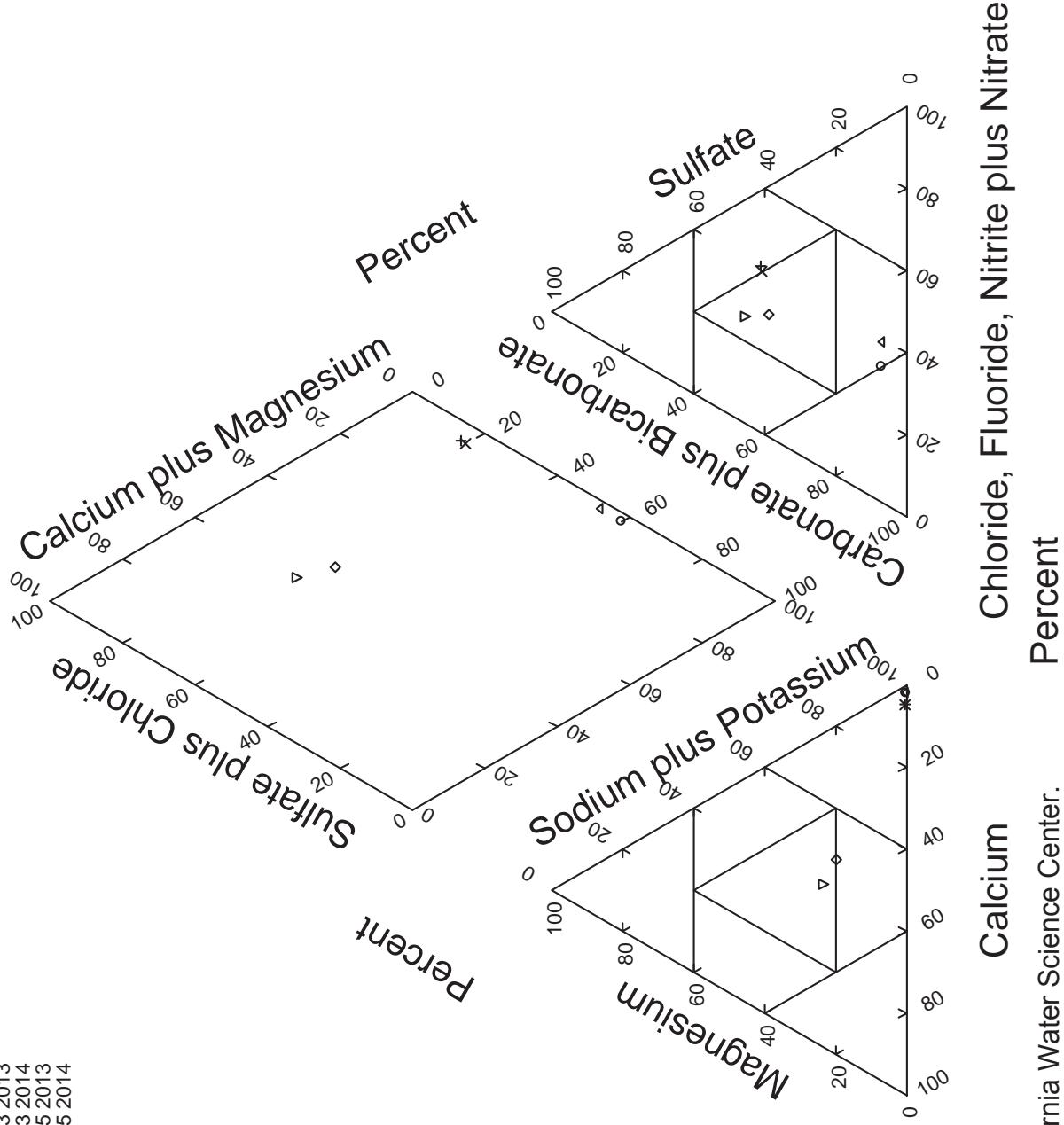


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Tri-Lineal Diagram VDC Recharge Basin Monitoring Well (8S/1W-6R1-6)

Explanation

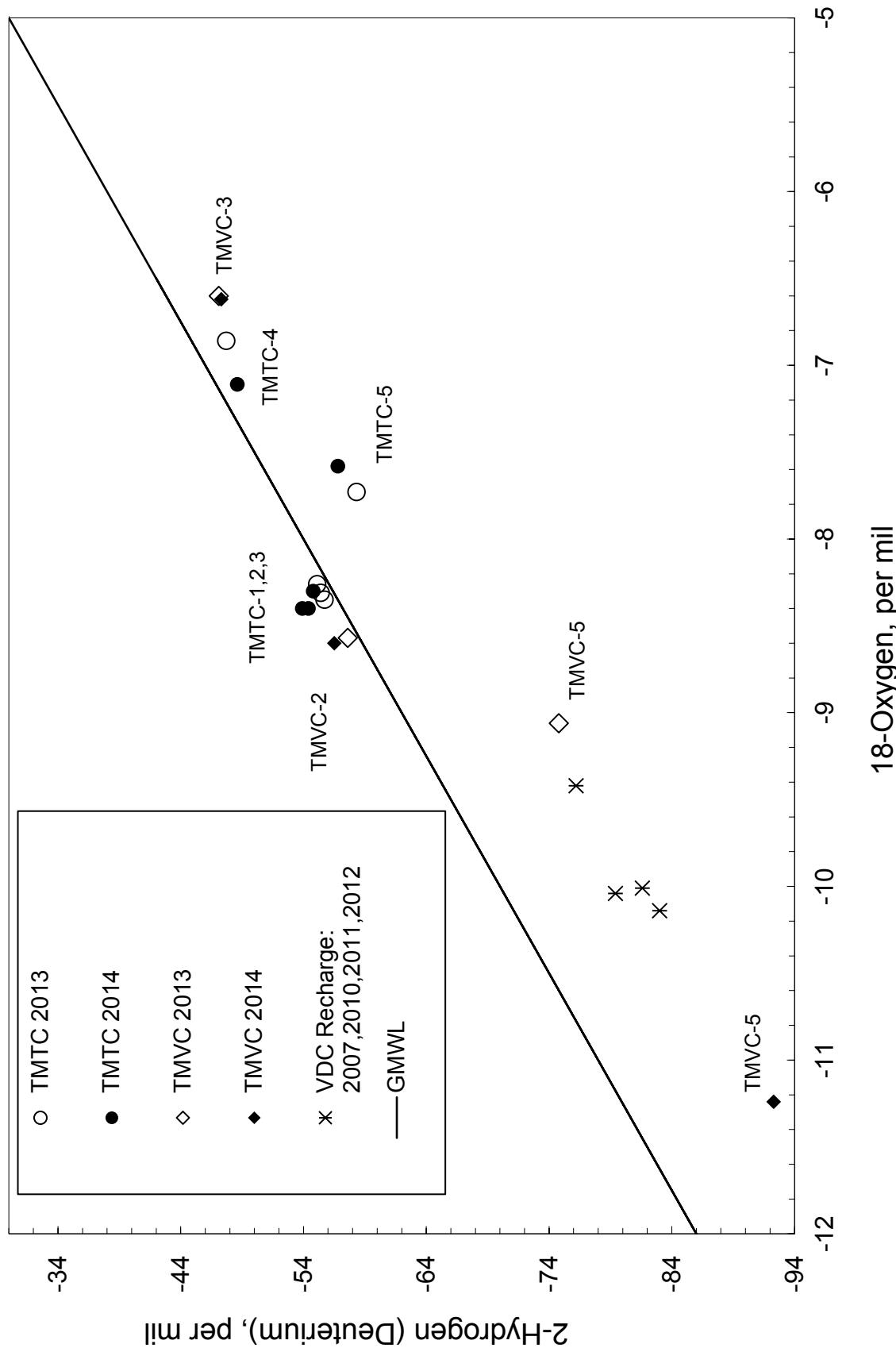
- TMVC-2 2013
- △ TMVC-2 2014
- TMVC-3 2013
- TMVC-3 2014
- TMVC-5 2013
- TMVC-5 2014



Source: USGS California Water Science Center.

Stable Isotope Diagram

Temecula Creek and VDC Recharge Basin Monitoring Wells



Source: USGS California Water Science Center.

End-of Month Piezometric Head for Multiple Depth Monitoring Well
VDC Recharge Basin Well (8S/1W-6R1-6)
(elevation in feet, MSL)

April 2014 through December 2015

Month	Well R1	Well R2	Well R3	Well R4	Well R5	Well R6
Jan 14	---	---	---	---	---	---
Feb	---	---	---	---	---	---
Mar	---	---	---	---	---	---
Apr	939.73	929.94	929.69	---	1173.48	---
May	937.49	927.42	934.85	---	1171.89	---
Jun	935.77	925.67	936.91	---	1171.42	---
Jul	934.24	924.06	933.43	---	1171.62	---
Aug	932.84	922.66	934.05	---	1171.64	---
Sep	931.73	921.45	932.01	---	1171.26	---
Oct	931.08	920.88	935.28	---	1170.65	---
Nov	931.08	920.79	934.89	---	1172.75	---
Dec	931.13	920.92	948.71	---	1170.52	---
Jan 15	932.55	922.67	956.25	---	1169.29	---
Feb	933.94	923.95	953.88	---	1166.84	---
Mar	935.04	925.05	952.80	---	1166.63	---
Apr	935.14	924.92	943.37	---	1166.14	---
May	934.99	924.91	946.23	---	1166.53	---
Jun	934.91	924.71	933.17	---	1167.14	---
Jul	934.05	923.60	932.61	---	1167.88	---
Aug	932.59	921.96	932.07	---	1166.79	---
Sep	932.09	921.74	936.75	---	1164.85	---
Oct	932.41	922.12	930.72	---	1166.33	---
Nov	933.04	922.64	934.03	---	1172.76	---
Dec	933.91	923.36	944.94	---	1183.69	---

Notes:

(1) Data reported as daily median value for period of record.

Source: USGS California Water Science Center.

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**Water Quality Data for Multiple Depth Monitoring Well
VDC Recharge Basin Well (8S/1W-6R1-6)
November 2013**

Code	Sampling date	Parameter	MCL	Well R1	Well R2	Well R3	Well R4	Well R5	Well R6
				11/6/2013	11/7/2013	11/7/2013		11/5/2013	
3	Sampling depth, feet				20.1	21.7			19.7
10	Temperature, water, degrees Celsius			80020	80020			80020	
28	Agency analyzing sample, code								
59	Flow rate, instantaneous, gallons per minute								
95	Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius			418	764			803	
191	Hydrogen ion, water, unfiltered, calculated, milligrams per liter			M	M			0.00002	
300	Dissolved oxygen, water, unfiltered, milligrams per liter			< 0.2	0.4			1.0	
400	pH, water, unfiltered, field, standard units								
403	pH, water, unfiltered, laboratory, standard units								
405	Carbon dioxide, water, unfiltered, milligrams per liter								
452	Carbonate, water, filtered, inflection-point titration method, milligrams per liter								
453	Bicarbonate, water, filtered, incremental titration, field, milligrams per liter								
602	Total nitrogen, water, filtered, milligrams per liter			< 0.19	< 0.11			0.32	
607	Organic nitrogen, water, filtered, milligrams per liter			0.12	< 0.07			< 0.08	
608	Ammonia, water, filtered, milligrams per liter as nitrogen			0.02	< 0.01			< 0.01	
613	Nitrite, water, filtered, milligrams per liter as nitrogen		1 (a)	< 0.001	< 0.001			< 0.001	
618	Nitrate, water, filtered, milligrams per liter as nitrogen			< 0.040	< 0.040			0.236	
623	Ammonia plus organic nitrogen, water, filtered, milligrams per liter as nitrogen			0.15	< 0.07			0.08	
631	Nitrate plus nitrite, water, filtered, milligrams per liter as nitrogen			< 0.040	< 0.040			0.236	
660	Orthophosphate, water, filtered, milligrams per liter			6.91	0.094			0.46	
666	Phosphorus, water, filtered, milligrams per liter			2.45	0.03			0.17	
671	Orthophosphate, water, filtered, milligrams per liter as phosphorus			2.25	0.031			0.15	
681	Organic carbon, water, filtered, milligrams per liter			0.61	0.60			1.16	
900	Hardness, water, milligrams per liter as calcium carbonate			3.85	16.9			211	
904	Noncarbon hardness, water, filtered, milligrams per liter							88	
905	Noncarbon hardness, water, filtered lab, milligrams per liter as calcium carbonate							76	
915	Calcium, water, filtered, milligrams per liter							52.5	
925	Magnesium, water, filtered, milligrams per liter			1.13	5.99				
930	Sodium, water, filtered, milligrams per liter			0.246	0.448			19.4	
931	Sodium adsorption ratio, water, number			86.8	146			85.2	
932	Sodium fraction of cations, water, percent in equivalents of major cations			19.3	15.6			2.55	
935	Potassium, water, filtered, milligrams per liter			98	95			46	
940	Chloride, water, filtered, milligrams per liter			0.50	1.14			4.14	
945	Sulfate, water, filtered, milligrams per liter			37.5	96.6			82.1	
950	Fluoride, water, filtered, milligrams per liter			600	12.7			147	
955	Silica, water, filtered, milligrams per liter			600	2.26			1.57	
1000	Arsenic, water, filtered, micrograms per liter		2 (b)					0.34	
1005	Barium, water, filtered, micrograms per liter		10 (c)					13.8	
1010	Beryllium, micrograms per liter		1000 (d)					1.1	
1020	Boron, water, filtered, micrograms per liter		4 (e)					1.46	
1025	Cadmium, micrograms per liter		1050					123	
1030	Chromium, micrograms per liter		5 (f)						
1035	Cobalt, micrograms per liter		50 (g)						
1040	Copper, micrograms per liter								
1046	Iron, water, filtered, micrograms per liter		1000 (h)					< 4.0	
1049	Lead, micrograms per liter		300						
1056	Manganese, water, filtered, micrograms per liter			50	7.25			3.40	
1057	Thallium, micrograms per liter			2 (i)					
1060	Molybdenum, micrograms per liter								
1065	Nickel, micrograms per liter		100 (j)						
1075	Silver, micrograms per liter		100 (k)						
1080	Strontium, water, filtered, micrograms per liter								
1085	Vanadium, micrograms per liter			5.7	109			524	

**Water Quality Data for Multiple Depth Monitoring Well
VDC Recharge Basin Well (8S/1W-6R1-6)
November 2013**

Code	Sampling date	Parameter	MCL	Well R1	Well R2	Well R3	Well R4	Well R5	Well R6
1090	Zinc, micrograms per liter		5000 (l) 6 (m)						
1095	Antimony, micrograms per liter		1000 (n)	432	79.3				
1106	Aluminum, water, filtered, micrograms per liter			1.03	0.94				8.8
1130	Lithium, water, filtered, micrograms per liter								7.55
1145	Selenium, micrograms per liter		50 (o)						
4022	Terbutylazine, water, filtered, recoverable, micrograms per liter								
4025	Hexazine, water, filtered, recoverable, micrograms per liter								
4029	Bromacil, water, filtered, recoverable, micrograms per liter								
4035	Simazine, water, filtered, recoverable, micrograms per liter								
4036	Prometryn, water, filtered, recoverable, micrograms per liter								
4037	Prometon, water, filtered, recoverable, micrograms per liter								
4040	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, micrograms per liter								
4095	Fonofos, water, filtered, recoverable, micrograms per liter		R -0.1	2.3					16
7000	Tritium, water, unfiltered, picocuries per liter								
22703	Uranium, natural, micrograms per liter								
29801	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, laboratory, milligrams per liter as calcium carbonate								
30217	Dibromomethane, water, unfiltered, recoverable, micrograms per liter								
32101	Bromodichloromethane, water, unfiltered, recoverable, micrograms per liter								
32102	Tetrachloromethane, water, unfiltered, recoverable, micrograms per liter								
32103	1,2-Dichloroethane, water, unfiltered, recoverable, micrograms per liter		0.5						
32104	Tribromomethane, water, unfiltered, recoverable, micrograms per liter								
32105	Dibromo-chloromethane, water, unfiltered, recoverable, micrograms per liter								
32106	Trichloromethane, water, unfiltered, recoverable, micrograms per liter								
34010	Toluene, water, unfiltered, recoverable, micrograms per liter		150						
34030	Benzene, water, unfiltered, recoverable, micrograms per liter			1					
34215	Acrylonitrile, water, unfiltered, recoverable, micrograms per liter								
34221	Anthracene, water, filtered, recoverable, micrograms per liter								
34248	Benzolalpyrene, water, filtered, recoverable, micrograms per liter							0.2 (p)	
34288	Tribromomethane, water, filtered, recoverable, micrograms per liter								
34301	Chlorobenzene, water, unfiltered, recoverable, micrograms per liter							70	
34311	Chloroethane, water, unfiltered, recoverable, micrograms per liter								
34371	Ethylbenzene, water, unfiltered, recoverable, micrograms per liter							300	
34377	Fluoranthene, water, filtered, recoverable, micrograms per liter								
34396	Hexachloroethane, water, unfiltered, recoverable, micrograms per liter								
34409	Isophorone, water, filtered, recoverable, micrograms per liter								
34413	Bromomethane, water, unfiltered, recoverable, micrograms per liter								
34418	Chloromethane, water, unfiltered, recoverable, micrograms per liter								
34423	Dichloromethane, water, unfiltered, recoverable, micrograms per liter								5
34443	Naphthalene, water, filtered, recoverable, micrograms per liter								
34462	Phenanthrene, water, filtered, recoverable, micrograms per liter								
34466	Phenol, water, filtered, recoverable, micrograms per liter								
34470	Pyrene, water, filtered, recoverable, micrograms per liter								
34475	Tetrachloroethene, water, unfiltered, recoverable, micrograms per liter								5
34476	Tetrachloroethene, water, filtered, recoverable, micrograms per liter								
34488	Trichlorofluoromethane, water, unfiltered, recoverable, micrograms per liter								
34496	1,1-Dichloroethane, water, unfiltered, recoverable, micrograms per liter								
34501	1,1-Dichloroethene, water, unfiltered, recoverable, micrograms per liter								
34506	1,1,1-Trichloroethane, water, unfiltered, recoverable, micrograms per liter								200
34511	1,1,2-Trichloroethene, water, unfiltered, recoverable, micrograms per liter								5
34516	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter								1
34536	1,2-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter								600
34541	1,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter								5
34546	trans-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter								10

**Water Quality Data for Multiple Depth Monitoring Well
VDC Recharge Basin Well (8S/1W-6R1-6)
November 2013**

Code	Parameter	MCL	Well R1	Well R2	Well R3	Well R4	Well R5	Well R6
34551	Sampling date			5			11/5/2013	11/7/2013
34566	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter							
34566	1,3-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter							
34571	1,4-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter			5				
34572	1,4-Dichlorobenzene, water, filtered, recoverable, micrograms per liter							
34668	Dichlorodifluoromethane, water, unfiltered, recoverable, micrograms per liter							
34666	Naphthalene, water, unfiltered, recoverable, micrograms per liter							
34659	trans-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5						
34704	cis-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5						
38454	Diclofophos, water, filtered, recoverable, micrograms per liter							
38775	Dichlonovos, water, filtered, recoverable, micrograms per liter							
38953	Chlorpyrifos, water, filtered, recoverable, micrograms per liter							
39086	Alkalinity, water, filtered, incremental titration, field, milligrams per liter as calcium carbonate		109		64			123
39175	Vinyl chloride, water, unfiltered, recoverable, micrograms per liter	0.5						
39180	Trichloroethylene, water, unfiltered, recoverable, micrograms per liter	5						
39381	Dieldrin, water, filtered, recoverable, micrograms per liter							
39415	Metolachlor, water, filtered, recoverable, micrograms per liter							
39532	Malathion, water, filtered, recoverable, micrograms per liter							
39572	Diazinon, water, filtered, recoverable, micrograms per liter							
39632	Atrazine, water, filtered, recoverable, micrograms per liter							
39702	Hexachlorobutadiene, water, unfiltered, recoverable, micrograms per liter							
46342	Atrachlor, water, filtered, recoverable, micrograms per liter							
49260	Acetochlor, water, filtered, recoverable, micrograms per liter							
49295	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter							
49933	C-14, water, filtered, percent modern		5.37		27.33		92.75	
49934	C-14, counting error, water, filtered, percent modern		0.09		0.15		0.21	
49981	Methyl acrylate, water, unfiltered, recoverable, micrograms per liter							
49999	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter							
50000	Bromoethene, water, unfiltered, recoverable, micrograms per liter							
50002	tert-Butyl ethyl ether, water, unfiltered, recoverable, micrograms per liter							
50004	Methyl tert-pentyl ether, water, unfiltered, recoverable, micrograms per liter							
50005	Fenamiphos, water, filtered, recoverable, micrograms per liter							
50305	Caffeine, water, filtered, recoverable, micrograms per liter							
50359	Metalexyl, water, filtered, recoverable, micrograms per liter							
61209	Perchlorate, water, unfiltered, recoverable, micrograms per liter					6		
61585	Cyfluthrin, water, filtered, recoverable, micrograms per liter							
61586	Cypermethrin, water, filtered, recoverable, micrograms per liter							
61588	Methidathion, water, filtered, recoverable, micrograms per liter							
61599	Myclobutanil, water, filtered, recoverable, micrograms per liter							
61601	Phosmet, water, filtered, recoverable, micrograms per liter							
61610	Tribuphos, water, filtered, recoverable, micrograms per liter							
61618	2-Chloro-2,6-diethylacetanilide, water, filtered, recoverable, micrograms per liter							
61620	2-Ethyl-6-methylaminoline, water, filtered, recoverable, micrograms per liter							
61625	3,4-Dichloroaniline, water, filtered, recoverable, micrograms per liter							
61633	4-Chloro-2-methylphenol, water, filtered, recoverable, micrograms per liter							
61635	Azinphos-methyl oxygen analog, water, filtered, recoverable, micrograms per liter							
61636	Chlorpyrifos oxygen analog, water, filtered, recoverable, micrograms per liter							
61644	Ethion monoxon, water, filtered, recoverable, micrograms per liter							
61645	Fenamiphos sulfone, water, filtered, recoverable, micrograms per liter							
61646	Fenamiphos sulfoxide, water, filtered, recoverable, micrograms per liter							

**Water Quality Data for Multiple Depth Monitoring Well
VDC Recharge Basin Well (8S/1W-6R1-6)
November 2013**

Code	Sampling date	Parameter	MCL	Well R1	Well R2	Well R3	Well R4	Well R5	Well R6
61652		Malaoxon, water, filtered, recoverable, micrograms per liter							
61664		Methyl paraxon, water, filtered, recoverable, micrograms per liter							
61666		Phorate oxygen analog, water, filtered, recoverable, micrograms per liter							
61668		Phosmet oxygen analog, water, filtered, recoverable, micrograms per liter							
61674		Terbufos oxygen analog sulfone, water, filtered, recoverable, micrograms per liter							
61705		Dieethoxyoctylphenol, water, filtered, recoverable, micrograms per liter							
61706		Monooethoxyoctylphenol, water, filtered, recoverable, micrograms per liter							
62005		Cotinine, water, filtered, recoverable, micrograms per liter							
62054		1-Methylnaphthalene, water, filtered, recoverable, micrograms per liter							
62055		2,6-Dimethylnaphthalene, water, filtered, recoverable, micrograms per liter							
62056		2-Methylnaphthalene, water, filtered, recoverable, micrograms per liter							
62057		3-beta-Coprostanol, water, filtered, recoverable, micrograms per liter							
62058		3-Methyl-1H-indole, water, filtered, recoverable, micrograms per liter							
62059		3-tert-Butyl-4-hydroxyanisole, water, filtered, recoverable, micrograms per liter							
62060		4-Cumylophenol, water, filtered, recoverable, micrograms per liter							
62061		4-Octylphenol, water, filtered, recoverable, micrograms per liter							
62062		4-tert-Octylphenol, water, filtered, recoverable, micrograms per liter							
62063		5-Methyl-1H-benzotriazole, water, filtered, recoverable, micrograms per liter							
62064		Acetophenone, water, filtered, recoverable, micrograms per liter							
62065		Acetyl hexamethyl tetrahydro naphthalene, water, filtered, recoverable, micrograms per liter							
62066		9,10-Anthraquinone, water, filtered, recoverable, micrograms per liter							
62067		Benzophenone, water, filtered, recoverable, micrograms per liter							
62068		beta-Sitosterol, water, filtered, recoverable, micrograms per liter							
62070		Camphor, water, filtered, recoverable, micrograms per liter							
62071		Carbazole, water, filtered, recoverable, micrograms per liter							
62072		Cholesterol, water, filtered, recoverable, micrograms per liter							
62073		D-Limonene, water, filtered, recoverable, micrograms per liter							
62075		Hexahydrohexamethyl cyclopentabenzo pyran, water, filtered, recoverable, micrograms per liter							
62076		Indole, water, filtered, recoverable, micrograms per liter							
62077		Isoborneol, water, filtered, recoverable, micrograms per liter							
62078		Isopropylbenzene, water, filtered, recoverable, micrograms per liter							
62079		Isoquinoine, water, filtered, recoverable, micrograms per liter							
62080		Menthol, water, filtered, recoverable, micrograms per liter							
62081		Methyl salicylate, water, filtered, recoverable, micrograms per liter							
62082		DEET, water, filtered, recoverable, micrograms per liter							
62083		Diethoxynonylphenol, water, filtered, recoverable, micrograms per liter							
62084		p-Cresol, water, filtered, recoverable, micrograms per liter							
62085		4-Nonylphenol, water, filtered, recoverable, micrograms per liter							
62086		beta-Sigma mastanol, water, filtered, recoverable, micrograms per liter							
62087		Tris(2-chloroethyl) phosphate, water, filtered, recoverable, micrograms per liter							
62088		Tris(dichloroisopropyl) phosphate, water, filtered, recoverable, micrograms per liter							
62089		Tributyl phosphate, water, filtered, recoverable, micrograms per liter							
62090		Tridosan, water, filtered, recoverable, micrograms per liter							
62091		Triethyl citrate, water, filtered, recoverable, micrograms per liter							
62092		Triphenyl phosphate, water, filtered, recoverable, micrograms per liter							
62093		Tris(2-but oxyethyl) phosphate, water, filtered, recoverable, micrograms per liter							
62166		Fipronil, water, filtered, recoverable, micrograms per liter							
62167		Fipronil sulfide, water, filtered, recoverable, micrograms per liter							
62168		Fipronil sulfone, water, filtered, recoverable, micrograms per liter							
62169		Desulfurylfipronil amide, water, filtered, recoverable, micrograms per liter							
62170		Desulfurylfipronil, water, filtered, recoverable, micrograms per liter							
62884		Total nitrogen, (NH ₃ -NO ₂ +NO ₃ +Organic), filtered, milligrams per liter							
63790		Perchlorate, water, filtered, recoverable, micrograms per liter							

**Water Quality Data for Multiple Depth Monitoring Well
VDC Recharge Basin Well (8S/1W-6R1-6)
November 2013**

Code	Parameter	MCL	Well R1	Well R2	Well R3	Well R4	Well R5	Well R6
70300	Sampling date							
70300	Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter	1500		253	442		11/5/2013	
70301	Residue, water, filtered, sum of constituents, milligrams per liter			237	438		481	481
70303	Residue, water, filtered, tons per acre-foot							
71846	Ammonia, water, filtered, milligrams per liter as NH4						< 0.013	
71851	Nitrate, water, filtered, milligrams per liter		45 (q)		< 0.177	< 0.177	1.04	
71856	Nitrite, water, filtered, milligrams per liter				< 0.003	< 0.003		< 0.003
71865	Iodide, water, filtered, milligrams per liter				0.028	0.011		0.015
71870	Bromide, water, filtered, milligrams per liter				0.096	0.352		0.151
72019	Depth to water level, feet below land surface							
73547	Trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, micrograms per liter							
73570	Ethyl methacrylate, water, unfiltered, recoverable, micrograms per liter							
75985	Tritium 2-sigma combined uncertainty, water, unfiltered, picocuries per liter							
76002	Rn-222, 2-sigma combined uncertainty, water, unfiltered, recoverable, micrograms per liter							
77041	Carbon disulfide, water, unfiltered, recoverable, micrograms per liter							
77093	cis-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter							
77103	n-Butyl methyl ketone, water, unfiltered, recoverable, micrograms per liter							
77128	Styrene, water, unfiltered, recoverable, micrograms per liter							
77135	o-Xylene, water, unfiltered, recoverable, micrograms per liter							
77168	1,1-Dichloropropane, water, unfiltered, recoverable, micrograms per liter							
77170	2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter							
77173	1,3-Dichloropropane, water, unfiltered, recoverable, micrograms per liter							
77220	2-Ethyltoluene, water, unfiltered, recoverable, micrograms per liter							
77221	1,2,3-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter							
77222	1,2,4-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter							
77223	Isopropylbenzene, water, unfiltered, recoverable, micrograms per liter							
77224	n-Propylbenzene, water, unfiltered, recoverable, micrograms per liter							
77226	1,3,5-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter							
77227	2-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter							
77229	4-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter							
77297	Bromoform, water, unfiltered, recoverable, micrograms per liter							
77342	n-Butylbenzene, water, unfiltered, recoverable, micrograms per liter							
77350	sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter							
77353	tert-Butylbenzene, water, unfiltered, recoverable, micrograms per liter							
77356	4-Isopropyltoluene, water, unfiltered, recoverable, micrograms per liter							
77424	Iodomethane, water, unfiltered, recoverable, micrograms per liter							
77443	1,2,3-Trichloropropane, water, unfiltered, recoverable, micrograms per liter							
77562	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter							
77613	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter							
77651	1,2-Dibromoethane, water, unfiltered, recoverable, micrograms per liter						0.05	
77662	1,1,2-Trichloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, micrograms per liter							
78032	Methyl tert-butyl ether, water, unfiltered, recoverable, micrograms per liter							
78109	3-Chloropropene, water, unfiltered, recoverable, micrograms per liter							
78133	Isobutyl methyl ketone, water, unfiltered, recoverable, micrograms per liter							
81552	Acetone, water, unfiltered, recoverable, micrograms per liter							
81555	Bromobenzene, water, unfiltered, recoverable, micrograms per liter							
81576	Diethyl ether, water, unfiltered, recoverable, micrograms per liter							
81577	Disopropyl ether, water, unfiltered, recoverable, micrograms per liter							
81593	Methyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter							
81595	Ethyl methyl ketone, water, unfiltered, recoverable, micrograms per liter							
81597	Methyl methacrylate, water, unfiltered, recoverable, micrograms per liter							
81607	Tetrahydrofuran, water, unfiltered, recoverable, micrograms per liter							
82081	C-13/C-12 ratio, water, unfiltered, per mil						-13.51	-13.13
82082	Deuterium/Protium ratio, water, unfiltered, per mil						-57.60	-47.10
								-74.80

Source: USGS California Water Science Center.

**Water Quality Data for Multiple Depth Monitoring Well
VDC Recharge Basin Well (8S/1W-6R1-6)
November 2013**

Code	Sampling date	Parameter	MCL	Well R1	Well R2	Well R3	Well R4	Well R5	Well R6
82085	Oxygen-18/Oxygen-16 ratio, water, unfiltered, per mil				-8.57	11/6/2013	11/7/2013	11/5/2013	-9.06
82303	Rn-222, water, unfiltered, picocuries per liter				-8.60				
82346	Ethion, water, filtered, recoverable, micrograms per liter								
82625	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, micrograms per liter								
82630	Metribuzin, water, filtered, recoverable, micrograms per liter								
82650	2,6-Diethylaniline, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter								
82661	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter								
82662	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter								
82664	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter								
82667	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter								
82670	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter								
82673	Benfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter								
82675	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter								
82676	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter								
82680	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter								
82682	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter								
82683	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter								
82686	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter								
82687	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter								
85795	m-Xylene plus p-xylene, water, unfiltered, recoverable, micrograms per liter								
90095	Specific conductance, water, unfiltered, laboratory, microsiemens per centimeter at 25 degrees Celsius			395	739				770
90851	Tritholomethanes, water, unfiltered, calcd, micrograms per liter								
99583	Bisphenol A-d3, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery								
99584	Caffeine-13C, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery								
99585	Decafluorobiphenyl, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery								
99586	Fluoranthene-d10, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery								
99832	1,2-Dichloroethane-d4, surrogate, Schedule 2090, water, unfiltered, percent recovery								
99833	Toluene-d8, surrogate, Schedule 2090, water, unfiltered, percent recovery								
99834	1-Bromo-4-fluorobenzene, surrogate, VOC schedule, water, unfiltered, percent recovery								
99964	Diazinon-d10, surrogate, Schedule 2003, water, filtered, percent recovery								
99955	alpha-HC1-d6, surrogate, Schedule 2003, water, filtered, percent recovery								

Notes:

U.S. EPA STORET numbers for MCLs correspond to the same as the USGS NWS data parameter number except as follows:

- (a) MCL shown for U.S. EPA STORET No. 620.
- (b) MCL shown for U.S. EPASTORET No. 951.
- (c) MCL shown for U.S. EPA STORET No. 1002.
- (d) MCL shown for U.S. EPA STORET No. 1007.
- (e) MCL shown for U.S. EPA STORET No. 1012.
- (f) MCL shown for U.S. EPA STORET No. 1027.
- (g) MCL shown for U.S. EPA STORET No. 1034.
- (h) MCL shown for U.S. EPA STORET No. 1042.
- (i) MCL shown for U.S. EPA STORET No. 1059.
- (j) MCL shown for U.S. EPA STORET No. 1067.
- (k) MCL shown for U.S. EPASTORET No. 1077.
- (l) MCL shown for U.S. EPA STORET No. 1092.
- (m) MCL shown for U.S. EPA STORET No. 1097.
- (n) MCL shown for U.S. EPA STORET No. 1105.
- (o) MCL shown for U.S. EPA STORET No. 1147.
- (p) MCL shown for U.S. EPA STORET No. 34247.
- (q) MCL shown for U.S. EPA STORET No. 71850.

Code--Data parameter number used in USGS National Water Information System (NWS).

E--Estimated.

M--Presence verified but not quantified
MCL--Maximum Contaminant Level reported by California DHS (May 25, 2007 Database) for U.S. EPA STORET number.
V--Biased results from contamination.

**Water Quality Data for Multiple Depth Monitoring Well
VDC Recharge Basin Well (8S/1W-6R1-6)
October 2014**

Code	Parameter	MCL	Well R1	Well R2	Well R3	Well R4	Well R5	Well R6
	Sampling date				10/15/2014	10/15/2014	10/15/2014	
3	Sampling depth, feet				21.1	21.2	20.2	
10	Temperature, water, degrees Celsius			80020	80020	80020		
28	Agency analyzing sample, code							
59	Flow rate, instantaneous, gallons per minute							
95	Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius			328	586	882		
191	Hydrogen ion, water, unfiltered, calculated, milligrams per liter			M	M	0.00004		
300	Dissolved oxygen, water, unfiltered, milligrams per liter			0.2	0.2	1.9		
400	pH, water, unfiltered, field, standard units				9.8	8.9	7.4	
403	pH, water, unfiltered, laboratory, standard units				9.7	8.8	7.8	
405	Carbon dioxide, water, unfiltered, milligrams per liter				M	0.2	10	
452	Carbonate, water, filtered, inflection-point titration method, milligrams per liter				22.5	3.9	0.3	
453	Bicarbonate, water, filtered, incremental titration, field, milligrams per liter				62.4	75.9	158	
602	Total nitrogen, water, filtered, milligrams per liter				<0.12	<0.11	0.37	
607	Organic nitrogen, water, filtered, milligrams per liter				0.07	<0.07	<0.08	
608	Ammonia, water, filtered, milligrams per liter as nitrogen				0.02	<0.01	<0.01	
613	Nitrite, water, filtered, milligrams per liter as nitrogen		1 (e)		<0.001	<0.001	<0.001	
618	Nitrate, water, filtered, milligrams per liter as nitrogen				<0.040	<0.040	0.291	
623	Ammonia plus organic nitrogen, water, filtered, milligrams per liter as nitrogen				0.08	<0.07	0.08	
631	Nitrate plus nitrite, water, filtered, milligrams per liter as nitrogen				<0.040	<0.040	0.291	
660	Orthophosphate, water, filtered, milligrams per liter				0.289	0.031	0.189	
666	Phosphorus, water, filtered, milligrams per liter				0.10	0.02	0.06	
671	Orthophosphate, water, filtered, milligrams per liter as phosphorus				0.034	0.010	0.062	
681	Organic carbon, water, filtered, milligrams per liter				3.29	18.2	277	
900	Hardness, water, milligrams per liter as calcium carbonate						147	
904	Noncarbonate hardness, water filtered field, milligrams per liter as calcium carbonate						141	
905	Noncarbonate hardness, water filtered lab, milligrams per liter as calcium carbonate							
915	Calcium, water, filtered, milligrams per liter				1.20	6.48	67.7	
925	Magnesium, water, filtered, milligrams per liter				0.067	0.446	26.1	
930	Sodium, water, filtered, milligrams per liter				77.4	153	80.8	
931	Sodium adsorption ratio, water, number				18.6	15.7	21.1	
932	Sodium fraction of cations, water, percent in equivalents of major cations				98	94	38	
935	Potassium, water, filtered, milligrams per liter				0.36	1.11	4.84	
940	Chloride, water, filtered, milligrams per liter				600	41.4	94.6	
945	Sulfate, water, filtered, milligrams per liter				600	0.7	137	
950	Fluoride, water, filtered, milligrams per liter				2 (b)	2.29	1.54	
955	Silica, water, filtered, milligrams per liter					17.6	8.03	
1000	Arsenic, water, filtered, micrograms per liter				10 (c)	36.3	1.8	
1005	Barium, water, filtered, micrograms per liter				1000 (d)	1.1	29.8	
1010	Beryllium, micrograms per liter				4 (e)			
1020	Boron, water, filtered, micrograms per liter					1270	887	
1025	Cadmium, micrograms per liter					5 (f)	96	
1030	Chromium, micrograms per liter					50 (g)		
1035	Cobalt, micrograms per liter							
1040	Copper, micrograms per liter					1000 (h)		
1046	Iron, water, filtered, micrograms per liter					300	49.6	
1049	Lead, micrograms per liter						< 4.0	
1056	Manganese, water, filtered, micrograms per liter					50	1.86	
1057	Thallium, micrograms per liter					2 (i)	< 0.20	
1060	Molybdenum, micrograms per liter							
1065	Nickel, micrograms per liter					100 (j)		
1075	Silver, micrograms per liter					100 (k)		
1080	Strontium, water, filtered, micrograms per liter					5.3	122	
1085	Zanadium, micrograms per liter					5000 (l)	732	
1090	Zinc, micrograms per liter							

**Water Quality Data for Multiple Depth Monitoring Well
VDC Recharge Basin Well (8S/1W-6R1-6)
October 2014**

Code	Parameter	MCL	Well R1	Well R2	Well R3	Well R4	Well R5	Well R6
	Sampling date							
1095	Antimony, micrograms per liter		6 (m)					
1106	Aluminum, water, filtered, micrograms per liter		1000 (n)					
1130	Lithium, water, filtered, micrograms per liter		170	12.9			3.3	
1145	Selenium, micrograms per liter		0.96	1.12			8.30	
4022	Terbutylazine, water, filtered, recoverable, micrograms per liter							
4025	Hexazinone, water, filtered, recoverable, micrograms per liter							
4029	Bromacil, water, filtered, recoverable, micrograms per liter							
4035	Simazine, water, filtered, recoverable, micrograms per liter							
4036	Promeiryn, water, filtered, recoverable, micrograms per liter							
4037	Prometon, water, filtered, recoverable, micrograms per liter							
4040	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, micrograms per liter							
4095	Fonofos, water, filtered, recoverable, micrograms per liter							
7000	Tritium, water, unfiltered, picocuries per liter		0.4	1.9			18	
22703	Uranium, natural, micrograms per liter							
29801	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, laboratory, milligrams per liter as calcium carbonate		93.7	70.4				
30217	Dibromomethane, water, unfiltered, recoverable, micrograms per liter							
32101	Bromodichloromethane, water, unfiltered, recoverable, micrograms per liter							
32102	Tetrachloromethane, water, unfiltered, recoverable, micrograms per liter		0.5					
32103	1,2-Dichloroethane, water, unfiltered, recoverable, micrograms per liter							
32104	Tribromomethane, water, unfiltered, recoverable, micrograms per liter							
32105	Dibromochloromethane, water, unfiltered, recoverable, micrograms per liter							
32106	Trichloromethane, water, unfiltered, recoverable, micrograms per liter							
34010	Toluene, water, unfiltered, recoverable, micrograms per liter		150					
34030	Benzene, water, unfiltered, recoverable, micrograms per liter		1					
34215	Acrylonitrile, water, unfiltered, recoverable, micrograms per liter							
34221	Anthracene, water, filtered, recoverable, micrograms per liter							
34248	Benzofluorophene, water, filtered, recoverable, micrograms per liter		0.2 (p)					
34288	Tribromomethane, water, filtered, recoverable, micrograms per liter							
34301	Chlorobenzene, water, unfiltered, recoverable, micrograms per liter							
34311	Chloroethane, water, unfiltered, recoverable, micrograms per liter							
34371	Ethybenzene, water, unfiltered, recoverable, micrograms per liter							
34377	Fluoranthene, water, filtered, recoverable, micrograms per liter							
34396	Hexachloroethane, water, unfiltered, recoverable, micrograms per liter							
34409	Isophorone, water, filtered, recoverable, micrograms per liter							
34413	Bromomethane, water, unfiltered, recoverable, micrograms per liter							
34418	Ethylbenzene, water, unfiltered, recoverable, micrograms per liter							
34423	Dichloromethane, water, unfiltered, recoverable, micrograms per liter							
34443	Naphthalene, water, filtered, recoverable, micrograms per liter		5					
34462	Phenanthrene, water, filtered, recoverable, micrograms per liter							
34466	Phenol, water, filtered, recoverable, micrograms per liter							
34470	Pyrene, water, filtered, recoverable, micrograms per liter							
34475	Tetrachloroethene, water, unfiltered, recoverable, micrograms per liter		5					
34476	Tetrachloroethylene, water, filtered, recoverable, micrograms per liter							
34488	Trichlorofluoromethane, water, unfiltered, recoverable, micrograms per liter		150					
34496	1,1-Dichloroethane, water, unfiltered, recoverable, micrograms per liter		5					
34501	1,1-Dichloroethene, water, unfiltered, recoverable, micrograms per liter		6					
34506	1,1,1-Trichloroethane, water, unfiltered, recoverable, micrograms per liter		200					
34511	1,1,2-Trichloroethane, water, unfiltered, recoverable, micrograms per liter		5					
34516	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter		1					
34536	1,2-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter		600					
34541	1,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter		5					
34546	trans-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter		10					
34551	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter		5					
34566	1,3-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter							

**Water Quality Data for Multiple Depth Monitoring Well
VDC Recharge Basin Well (8S/1W-6R1-6)
October 2014**

Code	Parameter	MCL	Well R1	Well R2	Well R3	Well R4	Well R5	Well R6
	Sampling date				10/15/2014		10/15/2014	
34571	1,4-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter		5					
34572	1,4-Dichlorobenzene, water, filtered, recoverable, micrograms per liter							
34668	Dichlorodifluoromethane, water, unfiltered, recoverable, micrograms per liter							
34696	Naphthalene, water, unfiltered, recoverable, micrograms per liter							
34699	trans-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5						
34704	cis-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5						
38454	Dicropophos, water, filtered, recoverable, micrograms per liter							
38775	Dichlorvos, water, filtered, recoverable, micrograms per liter							
38933	Chlorpyrifos, water, filtered, recoverable, micrograms per liter							
39086	Alkalinity, water, filtered, incremental titration, field, milligrams per liter as calcium carbonate							
39175	Vinyl chloride, water, unfiltered, recoverable, micrograms per liter	0.5						
39180	Trichloretheine, water, unfiltered, recoverable, micrograms per liter	5						
39281	Diethyl, water, filtered, recoverable, micrograms per liter							
39415	Metolachlor, water, filtered, recoverable, micrograms per liter							
39532	Malathion, water, unfiltered, recoverable, micrograms per liter							
39572	Diazinon, water, filtered, recoverable, micrograms per liter							
39632	Atrazine, water, filtered, recoverable, micrograms per liter							
39702	Hexachlorobutadiene, water, unfiltered, recoverable, micrograms per liter							
46342	Aalachlor, water, filtered, recoverable, micrograms per liter							
49260	Acetochlor, water, filtered, recoverable, micrograms per liter							
49295	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter							
49333	C-14, water, filtered, percent modern							
49334	C-14, counting error, water, filtered, percent modern							
49991	Methyl acrylate, water, unfiltered, recoverable, micrograms per liter							
49999	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter							
50000	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter							
50002	Bromoethene, water, unfiltered, recoverable, micrograms per liter							
50004	tert-Butyl ethyl ether, water, unfiltered, recoverable, micrograms per liter							
50005	Methyl tert-pentyl ether, water, unfiltered, recoverable, micrograms per liter							
50305	Caffeine, water, filtered, recoverable, micrograms per liter							
50359	Metalauryl, water, filtered, recoverable, micrograms per liter							
61209	Perchlorate, water, unfiltered, recoverable, micrograms per liter							
61585	Cylathrin, water, filtered, recoverable, micrograms per liter							
61586	Cypermethrin, water, filtered, recoverable, micrograms per liter							
61591	Fenamiphos, water, filtered, recoverable, micrograms per liter							
61593	Iprodione, water, filtered, recoverable, micrograms per liter							
61594	Isofenphos, water, filtered, recoverable, micrograms per liter							
61596	Metalauryl, water, filtered, recoverable, micrograms per liter							
61598	Methidathion, water, filtered, recoverable, micrograms per liter							
61599	Myclobutanil, water, filtered, recoverable, micrograms per liter							
61601	Phosmet, water, filtered, recoverable, micrograms per liter							
61610	Tribuphos, water, filtered, recoverable, micrograms per liter							
61618	2-Chloro-2',6'-diethylacetanilide, water, filtered, recoverable, micrograms per liter							
61620	2-Ethyl-6-methylaniline, water, filtered, recoverable, micrograms per liter							
61625	3,4-Dichloroaniline, water, filtered, recoverable, micrograms per liter							
61633	4-Chloro-2-methylphenol, water, filtered, recoverable, micrograms per liter							
61635	Azinphos-methyl oxygen analog, water, filtered, recoverable, micrograms per liter							
61636	Chlorpyrifos oxygen analog, water, filtered, recoverable, micrograms per liter							
61644	Ethion monoxon, water, filtered, recoverable, micrograms per liter							
61645	Fenamiphos sulfone, water, filtered, recoverable, micrograms per liter							
61646	Fenamiphos sulfoxide, water, filtered, recoverable, micrograms per liter							
61652	Malaoxon, water, filtered, recoverable, micrograms per liter							
61664	Methyl paraxon, water, filtered, recoverable, micrograms per liter							
61666	Phorate oxygen analog, water, filtered, recoverable, micrograms per liter							

**Water Quality Data for Multiple Depth Monitoring Well
VDC Recharge Basin Well (8S/1W-6R1-6)
October 2014**

Code	Parameter	MCL	Well R1	Well R2	Well R3	Well R4	Well R5	Well R6
	Sampling date				10/15/2014		10/15/2014	
61668	Phosmet oxygen analog, water, filtered, recoverable, micrograms per liter							
61674	Terbufos oxygen analog sulfone, water, filtered, recoverable, micrograms per liter							
61705	Diethoxyoctylphenol, water, filtered, recoverable, micrograms per liter							
61706	Monooctoxyoctylphenol, water, filtered, recoverable, micrograms per liter							
62005	Cotinine, water, filtered, recoverable, micrograms per liter							
62054	1-Methylnaphthalene, water, filtered, recoverable, micrograms per liter							
62055	2,6-Dimethylnaphthalene, water, filtered, recoverable, micrograms per liter							
62056	2-Methylnaphthalene, water, filtered, recoverable, micrograms per liter							
62057	3-beta-Coprostanol, water, filtered, recoverable, micrograms per liter							
62058	3-Methyl-1-H-indole, water, filtered, recoverable, micrograms per liter							
62059	3-tert-Butyl-4-hydroxyanisole, water, filtered, recoverable, micrograms per liter							
62060	4-Cumylophenol, water, filtered, recoverable, micrograms per liter							
62061	4-Octylphenol, water, filtered, recoverable, micrograms per liter							
62062	4-tert-Octylphenol, water, filtered, recoverable, micrograms per liter							
62063	5-Methyl-1-H-benzotriazole, water, filtered, recoverable, micrograms per liter							
62064	Acetophenone, water, filtered, recoverable, micrograms per liter							
62065	Acetyl hexamethyl tetrahydro naphthalene, water, filtered, recoverable, micrograms per liter							
62066	9,10-Anthraquinone, water, filtered, recoverable, micrograms per liter							
62067	Benzophenone, water, filtered, recoverable, micrograms per liter							
62068	beta-Sitosterol, water, filtered, recoverable, micrograms per liter							
62070	Camphor, water, filtered, recoverable, micrograms per liter							
62071	Carbazole, water, filtered, recoverable, micrograms per liter							
62072	Cholesterol, water, filtered, recoverable, micrograms per liter							
62073	D-Limonene, water, filtered, recoverable, micrograms per liter							
62075	Hexahydrohexamethyl cyclopentabenzopyran, water, filtered, recoverable, micrograms per liter							
62076	Indole, water, filtered, recoverable, micrograms per liter							
62077	Isobornanol, water, filtered, recoverable, micrograms per liter							
62078	Isopropylbenzene, water, filtered, recoverable, micrograms per liter							
62079	Isoquindoline, water, filtered, recoverable, micrograms per liter							
62080	Menthol, water, filtered, recoverable, micrograms per liter							
62081	Methyl salicylate, water, filtered, recoverable, micrograms per liter							
62082	DEET, water, filtered, recoverable, micrograms per liter							
62083	Diethoxynonylphenol, water, filtered, recoverable, micrograms per liter							
62084	p-Cresol, water, filtered, recoverable, micrograms per liter							
62085	4-Nonylphenol, water, filtered, recoverable, micrograms per liter							
62086	beta-Stigmastanol, water, filtered, recoverable, micrograms per liter							
62087	Tris(2-chloroethyl) phosphate, water, filtered, recoverable, micrograms per liter							
62088	Tris(dichloroisopropyl) phosphate, water, filtered, recoverable, micrograms per liter							
62089	Tributyl phosphate, water, filtered, recoverable, micrograms per liter							
62090	Tricosan, water, filtered, recoverable, micrograms per liter							
62091	Triethyl citrate, water, filtered, recoverable, micrograms per liter							
62092	Triphenyl phosphate, water, filtered, recoverable, micrograms per liter							
62093	Tris(2-butoxyethyl) phosphate, water, filtered, recoverable, micrograms per liter							
62166	Fipronil, water, filtered, recoverable, micrograms per liter							
62167	Fipronil sulfide, water, filtered, recoverable, micrograms per liter							
62168	Fipronil sulfone, water, filtered, recoverable, micrograms per liter							
62169	Desulfuriflpronil amide, water, filtered, recoverable, micrograms per liter							
62170	Desulfuriflpronil, water, filtered, recoverable, micrograms per liter							
62854	Total nitrogen, ($\text{NH}_3\text{-NO}_2+\text{NO}_3+\text{Organic}$), filtered, milligrams per liter	6						
63790	Perchlorate, water, filtered, recoverable, micrograms per liter	1500						
70300	Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter		221					
70301	Residue, water, filtered, sum of constituents, milligrams per liter		206					
70303	Residue, water, filtered, tons per acre-foot			0.022	< 0.013			
71846	Ammonia, water, filtered, milligrams per liter as NH4							

**Water Quality Data for Multiple Depth Monitoring Well
VDC Recharge Basin Well (8S/1W-6R1-6)
October 2014**

Code	Parameter	MCL	Well R1	Well R2	Well R3	Well R4	Well R5	Well R6
	Sampling date				10/15/2014	10/15/2014	10/15/2014	
71851	Nitrate, water, filtered, milligrams per liter	45 (d)	< 0.117	< 0.117	< 0.117	< 0.117	1.29	
71856	Nitrite, water, filtered, milligrams per liter		< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	
71865	Iodide, water, filtered, milligrams per liter		0.029	0.009	0.009	0.009	0.001	
71870	Bromide, water, filtered, milligrams per liter		0.097	0.326	0.326	0.326	0.074	
72019	Depth to water level, feet below land surface							
73547	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, micrograms per liter							
73570	Ethy methacrylate, water, unfiltered, recoverable, micrograms per liter							
75985	Tritium 2-sigma combined uncertainty, water, unfiltered, picocuries per liter							
76002	Rn-222, 2-sigma combined uncertainty, water, unfiltered, picocuries per liter							
77041	Carbon disulfide, water, unfiltered, micrograms per liter							
77093	cis-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter							
77103	n-Butyl methyl ketone, water, unfiltered, recoverable, micrograms per liter							6
77128	Syrene, water, unfiltered, recoverable, micrograms per liter							
77135	o-Xylene, water, unfiltered, recoverable, micrograms per liter							
77168	1,1'-Dichloropropene, water, unfiltered, recoverable, micrograms per liter							
77170	2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter							
77173	1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter							
77220	2-Ethyltoluene, water, unfiltered, recoverable, micrograms per liter							
77221	1,2,3-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter							
77222	1,2,4-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter							
77223	Isopropylbenzene, water, unfiltered, recoverable, micrograms per liter							
77224	n-Propylbenzene, water, unfiltered, recoverable, micrograms per liter							
77226	1,3,5-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter							
77275	2-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter							
77277	4-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter							
77297	Bromochloromethane, water, unfiltered, recoverable, micrograms per liter							
77342	n-Butylbenzene, water, unfiltered, recoverable, micrograms per liter							
77350	sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter							
77353	tert-Butylbenzene, water, unfiltered, recoverable, micrograms per liter							
77356	4-Isopropyltoluene, water, unfiltered, recoverable, micrograms per liter							
77424	Iodomethane, water, unfiltered, recoverable, micrograms per liter							
77443	1,2,3-Trichloropropane, water, unfiltered, recoverable, micrograms per liter							
77562	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter							
77613	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter							
77651	1,2-Dibromoethane, water, unfiltered, recoverable, micrograms per liter							0.05
77652	1,1,2-Trichloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, micrograms per liter							
78032	Methyl tert-butyl ether, water, unfiltered, recoverable, micrograms per liter							
78109	3-Chloropropene, water, unfiltered, recoverable, micrograms per liter							
78133	Isobutyl methyl ketone, water, unfiltered, recoverable, micrograms per liter							
81552	Acetone, water, unfiltered, recoverable, micrograms per liter							
81555	Bromobenzene, water, unfiltered, recoverable, micrograms per liter							
81576	Diethyl ether, water, unfiltered, recoverable, micrograms per liter							
81577	Dilisopropyl ether, water, unfiltered, recoverable, micrograms per liter							
81593	Methyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter							
81595	Ethy methyl ketone, water, unfiltered, recoverable, micrograms per liter							
81597	Methyl methacrylate, water, unfiltered, recoverable, micrograms per liter							
81607	Tetrahydroduran, water, unfiltered, recoverable, micrograms per liter							
82081	C-13/C-12 ratio, water, unfiltered, per mil							-13.32
82082	Deuterium/Protium ratio, water, unfiltered, per mil							-7.81
82085	Oxygen-18/Oxygen-16 ratio, water, unfiltered, per mil							-47.30
82303	Rn-222, water, unfiltered, picocuries per liter							-8.60
82346	Ethion, water, filtered, recoverable, micrograms per liter							-6.62
82625	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, micrograms per liter							-11.24
82630	Metrizban, water, filtered, recoverable, micrograms per liter							

**Water Quality Data for Multiple Depth Monitoring Well
VDC Recharge Basin Well (8S/1W-6R1-6)
October 2014**

Code	Parameter	MCL	Well R1	Well R2	Well R3	Well R4	Well R5	Well R6
	Sampling date				10/15/2014		10/15/2014	
82660	2,6-Diethylaniline, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter							
82661	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter							
82662	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter							
82664	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter							
82667	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter							
82670	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter							
82673	Benfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter							
82675	Terbütos, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter							
82676	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter							
82680	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter							
82682	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter							
82683	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter							
82686	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter							
82687	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter							
85795	m-Xylene plus p-Xylene, water, unfiltered, recoverable, micrograms per liter							
90095	Specific conductance, water, unfiltered, laboratory, microsiemens per centimeter at 25 degrees Celsius							
90851	Trihalomethanes, water, unfiltered, calc'd, micrograms per liter							
99583	Bisphenol A-d3, surrogate, Schedule/lab code 2033/8032, water, filtered, percent recovery							
99584	Caffeine-13C, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery							
99585	Decafluorobiphenyl, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery							
99586	Fluoranthene-d10, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery							
99832	1,2-Dichloroethane-d4, surrogate, Schedule 2090, water, unfiltered, percent recovery							
99833	Toluene-d8, surrogate, Schedule 2090, water, unfiltered, percent recovery							
99834	1-Bromo-4-fluorobenzene, surrogate, VOC schedules, water, unfiltered, percent recovery							
99994	Diazinon-d10, surrogate, Schedule 2003, water, filtered, percent recovery							
99995	alpha-HCH-d6, surrogate, Schedule 2003, water, filtered, percent recovery							

Notes:

U.S. EPA STORET numbers for MCLs correspond to the same as the USGS NWIS data parameter number except as follows:

- (a) MCL shown for U.S. EPA STORET No. 620.
- (b) MCL shown for U.S. EPASTORET No. 951.
- (c) MCL shown for U.S. EPA STORET No. 1002.
- (d) MCL shown for U.S. EPA STORET No. 1007.
- (e) MCL shown for U.S. EPA STORET No. 1012.
- (f) MCL shown for U.S. EPA STORET No. 1027.
- (g) MCL shown for U.S. EPA STORET No. 1034.
- (h) MCL shown for U.S. EPA STORET No. 1042.
- (i) MCL shown for U.S. EPA STORET No. 1059.
- (j) MCL shown for U.S. EPA STORET No. 1067.
- (k) MCL shown for U.S. EPASTORET No. 1077.
- (l) MCL shown for U.S. EPA STORET No. 1092.
- (m) MCL shown for U.S. EPA STORET No. 1097.
- (n) MCL shown for U.S. EPA STORET No. 1105.
- (o) MCL shown for U.S. EPA STORET No. 1147.
- (p) MCL shown for U.S. EPA STORET No. 34247.
- (q) MCL shown for U.S. EPA STORET No. 71850.

Code=Data parameter number used in USGS National Water Information System (NWIS).

E=Estimated.

M=Presence, verified but not quantified.

MCL=Maximum Contaminant Level reported by California DHS (May 25, 2007 Database) for U.S. EPA STORET number.

V=Biased results from contamination.

ANNUAL REPORT

**COOPERATIVE WATER RESOURCE
MANAGEMENT AGREEMENT**

CALENDAR YEAR 2015

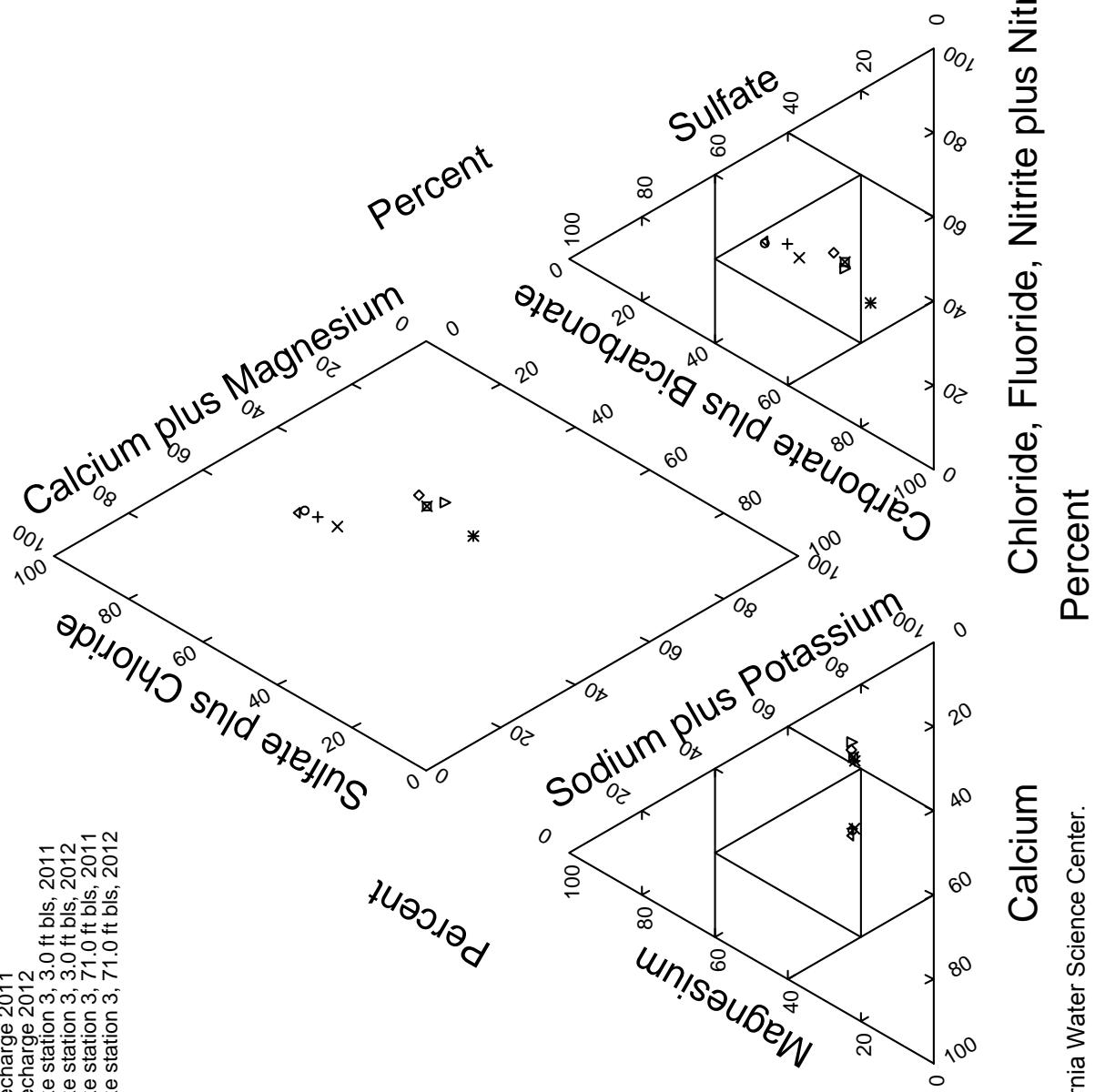
APPENDIX D-1

**WATER QUALITY DATA FOR IMPORTED WATER
DELIVERED TO RCWD UPPER VDC RECHARGE BASINS**

Tri-Linear Diagram VDC Recharge and Vail Lake

Explanation

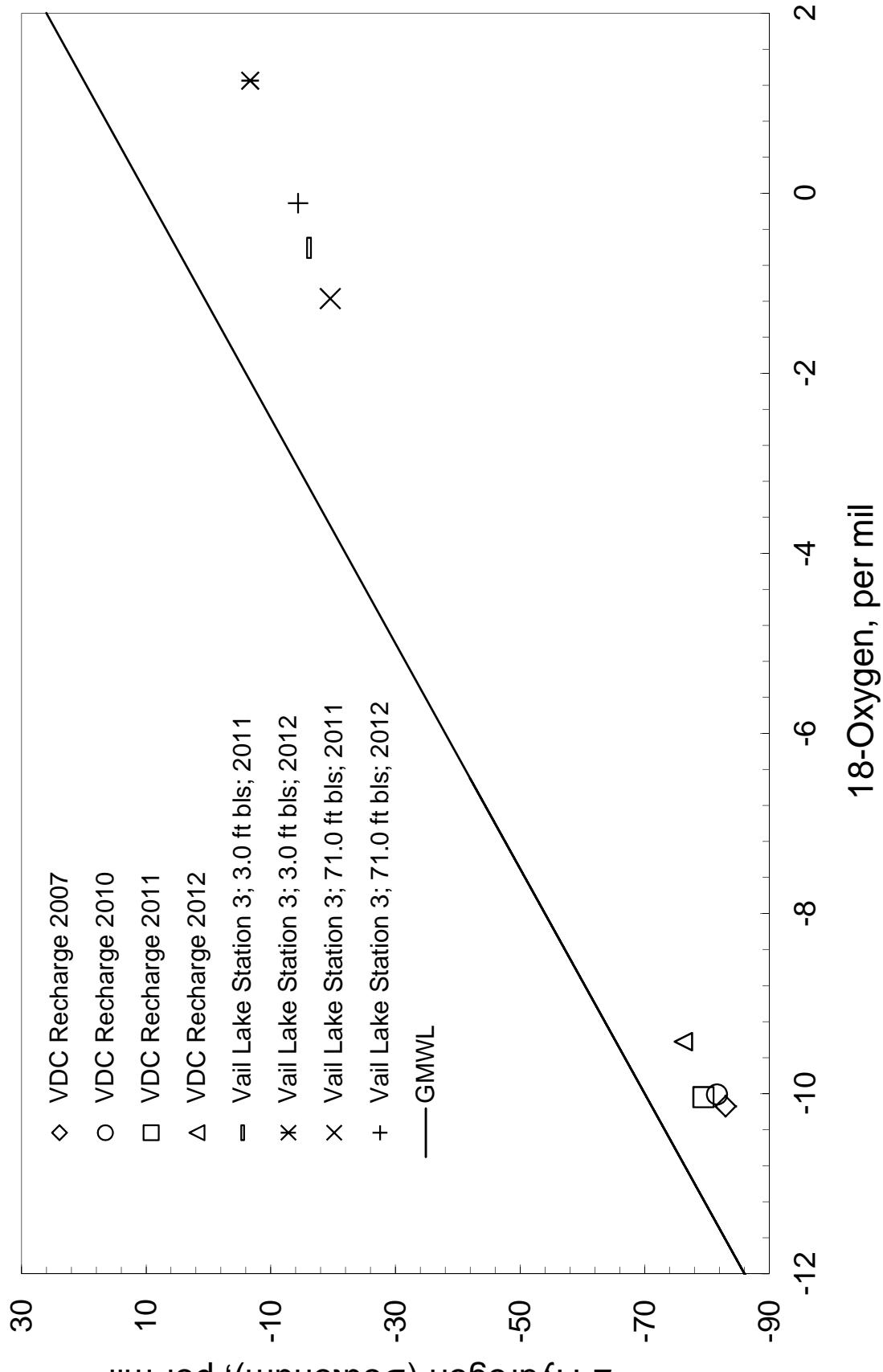
- ▲ + × ◊ ▽ ■ *
- VDC Recharge 2007
- VDC Recharge 2010
- VDC Recharge 2011
- VDC Recharge 2012
- Vail Lake station 3, 3.0 ft bsl, 2011
- Vail Lake station 3, 3.0 ft bsl, 2012
- Vail Lake station 3, 71.0 ft bsl, 2011
- Vail Lake station 3, 71.0 ft bsl, 2012



Source: USGS California Water Science Center.

Stable Isotope Diagram

VDC Recharge and Vail Lake



Source: USGS California Water Science Center.

Water Quality Data for Imported Water Delivered to RCWD Upper VDC Recharge Basin
Upper Pond 5 in Pauba Valley
USGS Site No. 333024117005501

Code	Parameter	MCL	Pond 5 9/17/2007	Pond 5 7/28/2010	Pond 5 8/22/2011	Pond 5 8/21/2012
	Sampling date		28%	19%	63%	51%
	Estimated Percentage of State Project Water Reported by Metropolitan Water District					
3	Sampling depth, feet		24.5	25.4	33.0	27.8
10	Temperature, water, degrees Celsius		80020	80020	80020	80020
28	Agency analyzing sample, code					
59	Flow rate, instantaneous, gallons per minute					
95	Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius		847	875	590	644
191	Hydrogen ion, water, unfiltered, calculated, milligrams per liter	0.00001	0.00001	0.00001	0.00001	0.00001
300	Dissolved oxygen, water, unfiltered, milligrams per liter	6.1				6.5
400	pH, water, unfiltered, field, standard units	7.9	8.1	7.9	7.9	
403	pH, water, unfiltered, laboratory, standard units	8.0	8.1	8.1	8.1	
405	Carbon dioxide, water, unfiltered, milligrams per liter	2.5	1.8	2.1	2.4	
453	Bicarbonate, water, filtered, incremental titration, field, milligrams per liter	138	102			116
602	Total nitrogen, water, filtered, milligrams per liter	0.3	0.41			0.36
607	Organic nitrogen, water, filtered, milligrams per liter	< 0.18	0.14	0.2		0.19
608	Ammonia, water, filtered, milligrams per liter as nitrogen	< 0.020	0.022	0.011		0.012
613	Nitrite, water, filtered, milligrams per liter as nitrogen	1 (a)	< 0.002	0.003	< 0.001	< 0.001
618	Nitrate, water, filtered, milligrams per liter as nitrogen	< 0.227	0.141	0.197	0.16	
623	Ammonia plus organic nitrogen, water, filtered, milligrams per liter as nitrogen		0.16	0.21		0.2
631	Nitrite plus nitrite, water, filtered, milligrams per liter as nitrogen	0.23	0.14	0.2		0.16
660	Orthophosphate, water, filtered, milligrams per liter	0.068	0.034	0.137		0.1
666	Phosphorus, water, filtered, milligrams per liter		< 0.04	0.05		0.04
671	Orthophosphate, water, filtered, milligrams per liter as phosphorus	0.022	0.011	0.045		0.033
900	Hardness, water, milligrams per liter as calcium carbonate	232	256	150		176
904	Noncarb hardness, water, filtered, milligrams per liter as calcium carbonate	141	138	69		80
905	Noncarb hardness, water filtered lab, milligrams per liter	120				76
915	Calcium, water, filtered, milligrams per liter	55.4	62.0	35.7		42.6
925	Magnesium, water, filtered, milligrams per liter	22.4	24.3	14.7		16.9
930	Sodium, water, filtered, milligrams per liter	81.4	85.3	53.4		63.7
931	Sodium adsorption ratio, water, number	2.33	2.33	1.90		2.09
932	Sodium fraction of cations, water, percent in equivalents of major cations	43	42	43		44
935	Potassium, water, filtered, milligrams per liter	4.49	4.36	3.06		3.45
940	Chloride, water, filtered, milligrams per liter	600	84.9	87.8		68.7
945	Sulfate, water, filtered, milligrams per liter	600	177	195		109
950	Fluoride, water, filtered, milligrams per liter	2 (b)	0.26	0.3		0.18
955	Silica, water, filtered, milligrams per liter		8.95	6.8		8.8
1000	Arsenic, water, filtered, micrograms per liter	10 (c)	2.5	2.5		2.5
1005	Barium, water, filtered, micrograms per liter	1000 (d)	107	96.1		55.4
1010	Beryllium, micrograms per liter	4 (e)	< 0.06			
1020	Boron, water, filtered, micrograms per liter	138	147	122		133
1025	Cadmium, micrograms per liter	5 (f)	< 0.04			
1030	Chromium, micrograms per liter	50 (g)	0.11 E			
1035	Cobalt, micrograms per liter		0.04 E			
1040	Copper, micrograms per liter	1000 (h)	4.9			
1046	Iron, water, filtered, micrograms per liter	300	6	4 E		7.3
1049	Lead, micrograms per liter		0.62			
1056	Manganese, water, filtered, micrograms per liter	50	1.1	0.4		2.26
1057	Thallium, micrograms per liter	2 (i)	< 0.04			
1060	Molybdenum, micrograms per liter		4.7			
1065	Nickel, micrograms per liter	100 (j)	1.2			
1075	Silver, micrograms per liter	100 (k)	< 0.10			
1080	Strontrium, water, filtered, micrograms per liter	820	871	472		513
1085	Vanadium, micrograms per liter		3			
1090	Zinc, micrograms per liter	5000 (l)	5			

Source: USGS California Water Science Center.

Water Quality Data for Imported Water Delivered to RCWD Upper VDC Recharge Basin
Upper Pond 5 in Pauba Valley
USGS Site No. 333024117005501

Code	Parameter	MCL	Pond 5 9/17/2007	Pond 5 7/28/2010	Pond 5 8/22/2011	Pond 5 8/21/2012
Sampling date			6 (m)	0.29		
1095	Antimony, micrograms per liter		1000 (n)	1.3 E	< 3.4	2
1106	Aluminum, water, filtered, micrograms per liter			33.1	48	< 2.2
1130	Lithium, water, filtered, micrograms per liter			1.4		24.5
1145	Selenium, micrograms per liter	50 (o)				
4022	Terbutylazine, water, filtered, recoverable, micrograms per liter					
4025	Hexazine, water, filtered, recoverable, micrograms per liter					
4029	Bronacil, water, filtered, recoverable, micrograms per liter					
4035	Sirazine, water, filtered, recoverable, micrograms per liter					
4036	Prometryn, water, filtered, recoverable, micrograms per liter					
4037	Proneton, water, filtered, recoverable, micrograms per liter					
4040	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, micrograms per liter					
4095	Fonofos, water, filtered, recoverable, micrograms per liter					
7000	Trilium, water, unfiltered, picocuries per liter			19.8		
22703	Uranium, natural, micrograms per liter			3.81		
29801	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, milligrams per liter as calcium carbonate			111	118	99.9
30217	Dibromomethane, water, unfiltered, recoverable, micrograms per liter			0.12		
32101	Bromodichloromethane, water, unfiltered, recoverable, micrograms per liter			17.2		
32102	Tetrachloromethane, water, unfiltered, recoverable, micrograms per liter			0.5	< 0.08	
32103	1,2-Dichloroethane, water, unfiltered, recoverable, micrograms per liter			< 0.1		
32104	Tribromoethane, water, unfiltered, recoverable, micrograms per liter			7.28		
32105	Dibromochloromethane, water, unfiltered, recoverable, micrograms per liter			16.1		
32106	Trichloromethane, water, unfiltered, recoverable, micrograms per liter			9.69		
34010	Toluene, water, unfiltered, recoverable, micrograms per liter			150	0.06 E	
34030	Benzene, water, unfiltered, recoverable, micrograms per liter			1	< 0.02	
34215	Acrylonitrile, water, unfiltered, recoverable, micrograms per liter				< 0.4	
34221	Anthracene, water, filtered, recoverable, micrograms per liter					
34248	Benzofalphapyrene, water, filtered, recoverable, micrograms per liter		0.2 (p)			
34288	Tribromomethane, water, filtered, recoverable, micrograms per liter					
34301	Chlorobenzene, water, unfiltered, recoverable, micrograms per liter			70	< 0.02	
34311	Chloroethane, water, unfiltered, recoverable, micrograms per liter				< 0.1	
34371	Ethylbenzene, water, unfiltered, recoverable, micrograms per liter			300	< 0.02	
34377	Fluoranthene, water, filtered, recoverable, micrograms per liter					
34396	Hexachloroethane, water, unfiltered, recoverable, micrograms per liter				< 0.1	
34409	Isophorone, water, filtered, recoverable, micrograms per liter					
34413	Bromomethane, water, unfiltered, recoverable, micrograms per liter				< 0.4	
34418	Chloromethane, water, unfiltered, recoverable, micrograms per liter				< 0.1	
34423	Dichloromethane, water, unfiltered, recoverable, micrograms per liter				5	0.1 E
34443	Naphthalene, water, filtered, recoverable, micrograms per liter					
34462	Phenanthrene, water, filtered, recoverable, micrograms per liter					
34466	Phenol, water, filtered, recoverable, micrograms per liter					
34470	Pyrene, water, filtered, recoverable, micrograms per liter					
34475	Tetrachloroethene, water, unfiltered, recoverable, micrograms per liter			5	< 0.04	
34476	Tetrachloroethene, water, filtered, recoverable, micrograms per liter					
34486	Trichlorofluoromethane, water, unfiltered, recoverable, micrograms per liter			150	< 0.08	
34496	1,1-Dichloroethane, water, unfiltered, recoverable, micrograms per liter			5	< 0.06	
34501	1,1-Dichloroethene, water, unfiltered, recoverable, micrograms per liter			6	< 0.02	
34506	1,1,1-Trichloroethane, water, unfiltered, recoverable, micrograms per liter			200	< 0.04	
34511	1,1,2-Trichloroethane, water, unfiltered, recoverable, micrograms per liter			5	< 0.04	
34516	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter			1	< 0.10	
34536	1,2-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter			600	< 0.04	
34541	1,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter			5	< 0.02	
34546	trans-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter			10	< 0.02	
34551	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter			5	< 0.1	

Water Quality Data for Imported Water Delivered to RCWD Upper VDC Recharge Basin
Upper Pond 5 in Pauba Valley
USGS Site No. 333024117005501

Code	Parameter	MCL	Pond 5 9/17/2007	Pond 5 7/28/2010	Pond 5 8/22/2011	Pond 5 8/21/2012
Sampling date			< 0.04	< 0.04		
34566	1,3-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter		5			
34571	1,4-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter		< 0.04			
34572	1,4-Dichlorobenzene, water, filtered, recoverable, micrograms per liter					
34668	Dichlorodifluoromethane, water, unfiltered, recoverable, micrograms per liter		< 0.14			
34696	Naphthalene, water, unfiltered, recoverable, micrograms per liter		< 0.4			
34699	trans-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter		0.5	< 0.10		
34704	cis-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter		0.5	< 0.06		
38454	Diclofophos, water, filtered, recoverable, micrograms per liter					
38775	Dichlorvos, water, filtered, recoverable, micrograms per liter					
38933	Chlorpyrifos, water, filtered, incremental titration, field, milligrams per liter as calcium carbonate					
39086	Alkalinity, water, filtered, recoverable, micrograms per liter					
39175	Vinyl chloride, water, unfiltered, recoverable, micrograms per liter		0.5	< 0.1		
39180	Trichloroethylene, water, unfiltered, recoverable, micrograms per liter		5	< 0.02		
39381	Dieldrin, water, filtered, recoverable, micrograms per liter					
39415	Metolachlor, water, filtered, recoverable, micrograms per liter					
39532	Malathion, water, filtered, recoverable, micrograms per liter					
39572	Diazinon, water, filtered, recoverable, micrograms per liter					
39632	Atrazine, water, filtered, recoverable, micrograms per liter					
39702	Hexachlorobutadiene, water, unfiltered, recoverable, micrograms per liter		< 0.1			
46342	Alachlor, water, filtered, recoverable, micrograms per liter					
49260	Acetochlor, water, filtered, recoverable, micrograms per liter					
49295	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
49933	C-14, water, filtered, percent modern					
49934	C-14, counting error, water, filtered, percent modern					
49991	Methyl acrylate, water, unfiltered, recoverable, micrograms per liter					
49999	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter					
50000	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter					
50002	Bromoethane, water, unfiltered, recoverable, micrograms per liter					
50004	tert-Butyl ethyl ether, water, unfiltered, recoverable, micrograms per liter					
50005	Methyl tert-pentyl ether, water, unfiltered, recoverable, micrograms per liter					
50305	Caffeine, water, filtered, recoverable, micrograms per liter					
50359	Metaxyl, water, filtered, recoverable, micrograms per liter					
61209	Perchlorate, water, unfiltered, recoverable, micrograms per liter					
61585	Cyfluthrin, water, filtered, recoverable, micrograms per liter					
61586	Cypermethrin, water, filtered, recoverable, micrograms per liter					
61591	Fenamiphos, water, filtered, recoverable, micrograms per liter					
61593	Iprodione, water, filtered, recoverable, micrograms per liter					
61594	Isofenphos, water, filtered, recoverable, micrograms per liter					
61596	Metaxyl, water, filtered, recoverable, micrograms per liter					
61598	Methidathion, water, filtered, recoverable, micrograms per liter					
61599	Myclobutanil, water, filtered, recoverable, micrograms per liter					
61601	Phosmet, water, filtered, recoverable, micrograms per liter					
61610	Tribuphos, water, filtered, recoverable, micrograms per liter					
61618	2-Chloro-2-(6-diethylacetanilide), water, filtered, recoverable, micrograms per liter					
61620	2-Ethyl-6-methylaniline, water, filtered, recoverable, micrograms per liter					
61625	3,4-Dichloraniline, water, filtered, recoverable, micrograms per liter					
61633	4-Chloro-2-methylphenol, water, filtered, recoverable, micrograms per liter					
61635	Azinphos-methyl oxygen analog, water, filtered, recoverable, micrograms per liter					
61636	Chlorpyrifos oxygen analog, water, filtered, recoverable, micrograms per liter					
61644	Ethion monoxon, water, filtered, recoverable, micrograms per liter					
61645	Fenamiphos sulfone, water, filtered, recoverable, micrograms per liter					
61646	Fenamiphos sulfide, water, filtered, recoverable, micrograms per liter					
61652	Malaoxon, water, filtered, recoverable, micrograms per liter					

Water Quality Data for Imported Water Delivered to RCWD Upper VDC Recharge Basin
Upper Pond 5 in Pauba Valley
USGS Site No. 333024117005501

Code	Parameter	MCL	Pond 5	Pond 5	Pond 5	Pond 5
	Sampling date		9/17/2007	7/28/2010	8/21/2011	8/21/2012
61664	Methyl paraoxon, water, filtered, recoverable, micrograms per liter					
61666	Phorate oxygen analog, water, filtered, recoverable, micrograms per liter					
61668	Phosmet oxygen analog, water, filtered, recoverable, micrograms per liter					
61674	Terbufos oxygen analog sulfone, water, filtered, recoverable, micrograms per liter					
61705	Dietethoxyoctylphenol, water, filtered, recoverable, micrograms per liter					
61706	Monooethoxyoctylphenol, water, filtered, recoverable, micrograms per liter					
62005	Cotinine, water, filtered, recoverable, micrograms per liter					
62054	1-Methylnaphthalene, water, filtered, recoverable, micrograms per liter					
62055	2,6-Dimethylnaphthalene, water, filtered, recoverable, micrograms per liter					
62056	2-Methylnaphthalene, water, filtered, recoverable, micrograms per liter					
62057	3-delta-Coprostanol, water, filtered, recoverable, micrograms per liter					
62058	3-Methyl-1-H-indole, water, filtered, recoverable, micrograms per liter					
62059	3-tert-Butyl-4-hydroxyvanisole, water, filtered, recoverable, micrograms per liter					
62060	4-Curlylphenol, water, filtered, recoverable, micrograms per liter					
62061	4-Octylphenol, water, filtered, recoverable, micrograms per liter					
62062	4-tert-Octylphenol, water, filtered, recoverable, micrograms per liter					
62063	5-Methyl-1-H-benzotriazole, water, filtered, recoverable, micrograms per liter					
62064	Acetophenone, water, filtered, recoverable, micrograms per liter					
62065	Acetyl hexamethyl tetraphenoxy naphthalene, water, filtered, recoverable, micrograms per liter					
62066	9,10-Anthraquinone, water, filtered, recoverable, micrograms per liter					
62067	Benzophenone, water, filtered, recoverable, micrograms per liter					
62068	beta-Sitosterol, water, filtered, recoverable, micrograms per liter					
62070	Camphor, water, filtered, recoverable, micrograms per liter					
62071	Carbazole, water, filtered, recoverable, micrograms per liter					
62072	Cholesterol, water, filtered, recoverable, micrograms per liter					
62073	D-Limonene, water, filtered, recoverable, micrograms per liter					
62075	Hexahydrohexamethyl cyclopentabenzopyran, water, filtered, recoverable, micrograms per liter					
62076	Indole, water, filtered, recoverable, micrograms per liter					
62077	Isoborneol, water, filtered, recoverable, micrograms per liter					
62078	Isopropylbenzene, water, filtered, recoverable, micrograms per liter					
62079	Isoquindoline, water, filtered, recoverable, micrograms per liter					
62080	Menthol, water, filtered, recoverable, micrograms per liter					
62081	Methyl salicylate, water, filtered, recoverable, micrograms per liter					
62082	DEET, water, filtered, recoverable, micrograms per liter					
62083	Dieethoxynonylphenol, water, filtered, recoverable, micrograms per liter					
62084	p-Cresol, water, filtered, recoverable, micrograms per liter					
62085	4-Nonylphenol, water, filtered, recoverable, micrograms per liter					
62086	beta-Stigmastanol, water, filtered, recoverable, micrograms per liter					
62087	Tris(2-chloroethyl) phosphate, water, filtered, recoverable, micrograms per liter					
62088	Tris(dichloroisopropyl) phosphate, water, filtered, recoverable, micrograms per liter					
62089	Tributyl phosphate, water, filtered, recoverable, micrograms per liter					
62090	Triclosan, water, filtered, recoverable, micrograms per liter					
62091	Triethyl citrate, water, filtered, recoverable, micrograms per liter					
62092	Triphenyl phosphite, water, filtered, recoverable, micrograms per liter					
62093	Tris(2-butoxyethyl) phosphate, water, filtered, recoverable, micrograms per liter					
62166	Fipronil, water, filtered, recoverable, micrograms per liter					
62167	Fipronil sulfide, water, filtered, recoverable, micrograms per liter					
62168	Fipronil sulfone, water, filtered, recoverable, micrograms per liter					
62169	Desulfuflyfipronil amide, water, filtered, recoverable, micrograms per liter					
62170	Desulfuflyfipronil, water, filtered, recoverable, micrograms per liter					
62854	Total nitrogen, ($\text{NH}_3+\text{NO}_2+\text{NO}_3$ -Organic), filtered, milligrams per liter			0.41		
63790	Perchlorate, water, filtered, recoverable, micrograms per liter			1.11		
70300	Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter	1500	526	516	362	384

Water Quality Data for Imported Water Delivered to RCWD Upper VDC Recharge Basin
Upper Pond 5 in Pauba Valley
USGS Site No. 333024117005501

Code	Parameter	MCL	Pond 5 9/17/2007	Pond 5 8/28/2010	Pond 5 8/22/2011	Pond 5 8/21/2012
Sampling date			503 E	537 E	329	372
70301	Residue, water, filtered, sum of constituents, milligrams per liter					
70303	Residue, water, filtered, tons per acre-foot					
71846	Ammonia, water, filtered, milligrams per liter as NH4		< 0.026	0.029	0.014	0.015
71851	Nitrate, water, filtered, milligrams per liter	45 (a)	< 1.00	0.623	0.872	0.708
71856	Nitrite, water, filtered, milligrams per liter		< 0.007	0.011	< 0.003	< 0.003
71865	Iodide, water, filtered, milligrams per liter			0.012	0.004	0.008
71870	Bromide, water, filtered, milligrams per liter			0.06	0.10	0.075
72019	Depth to water level, feet below land surface			< 0.6		
73547	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, micrograms per liter			< 0.1		
73570	Ethyl methacrylate, water, unfiltered, recoverable, micrograms per liter			1.6		
75985	Tritium 2-sigma combined uncertainty, water, unfiltered, picocuries per liter			15		
76002	Rn-222, 2-sigma combined uncertainty, water, unfiltered, picocuries per liter					
77041	Carbon disulfide, water, unfiltered, recoverable, micrograms per liter			< 0.06		
77093	cis-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter		6	< 0.02		
77103	n-Butyl methyl ketone, water, unfiltered, recoverable, micrograms per liter			< 0.4		
77128	Styrene, water, unfiltered, recoverable, micrograms per liter		100	< 0.04		
77135	o-Xylene, water, unfiltered, recoverable, micrograms per liter			< 0.04		
77168	1,1-Dichloropropane, water, unfiltered, recoverable, micrograms per liter			< 0.04		
77170	2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter			< 0.06		
77173	1,3-Dichloropropane, water, unfiltered, recoverable, micrograms per liter			< 0.1		
77220	2-Ethyltoluene, water, unfiltered, recoverable, micrograms per liter			< 0.04		
77221	1,2,3-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter			< 0.1		
77222	1,2,4-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter			< 0.04		
77223	Isopropylbenzene, water, unfiltered, recoverable, micrograms per liter			< 0.04		
77224	n-Propylbenzene, water, unfiltered, recoverable, micrograms per liter			< 0.04		
77226	1,3,5-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter			< 0.04		
77225	2-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter			< 0.04		
77227	4-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter			< 0.04		
77229	Bromo-chloromethane, water, unfiltered, recoverable, micrograms per liter			0.09 E		
77342	n-Butylbenzene, water, unfiltered, recoverable, micrograms per liter			< 0.1		
77350	sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter			< 0.04		
77353	tert-Butylbenzene, water, unfiltered, recoverable, micrograms per liter			< 0.08		
77356	4-isopropyltoluene, water, unfiltered, recoverable, micrograms per liter			< 0.08		
77424	Iodomethane, water, unfiltered, recoverable, micrograms per liter			< 0.40		
77443	1,2,3-Trichloropropane, water, unfiltered, recoverable, micrograms per liter			< 0.12		
77562	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter			< 0.04		
77613	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter			< 0.1		
77651	1,2-Dibromoethane, water, unfiltered, recoverable, micrograms per liter	0.05		< 0.04		
77652	1,1,2-Trichloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, micrograms per liter			< 0.04		
78032	Methyl tert-butyl ether, water, unfiltered, recoverable, micrograms per liter			< 0.10		
78109	3-Chloropropene, water, unfiltered, recoverable, micrograms per liter			< 0.08		
78133	Isobutyl methyl ketone, water, unfiltered, recoverable, micrograms per liter			< 0.2		
81552	Acetone, water, unfiltered, recoverable, micrograms per liter			< 6		
81555	Bromobenzene, water, unfiltered, recoverable, micrograms per liter			< 0.02		
81576	Diethyl ether, water, unfiltered, recoverable, micrograms per liter			< 0.1		
81577	Diisopropyl ether, water, unfiltered, recoverable, micrograms per liter			< 0.06		
81593	Methyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter			< 0.4		
81595	Ethyl methyl ketone, water, unfiltered, recoverable, micrograms per liter			< 1.6		
81597	Methyl methacrylate, water, unfiltered, recoverable, micrograms per liter			< 0.2		
81607	Tetrahydrofuran, water, unfiltered, recoverable, micrograms per liter			< 1		
82081	C-13/C-12 ratio, water, unfiltered, per mil			-6.46		
82082	Deuterium/Protium ratio, water, unfiltered, per mil			-83	-81.6	-79.4
82085	Oxygen-18/Oxygen-16 ratio, water, unfiltered, per mil			-10.14	-10.01	-9.42

Water Quality Data for Imported Water Delivered to RCWD Upper VDC Recharge Basin
Upper Pond 5 in Pauba Valley
USGS Site No. 333024117005501

Code	Parameter	MCL	Pond 5	Pond 5	Pond 5	Pond 5
Sampling date						
82303	Rn-222, water, unfiltered, picocuries per liter					
82346	Ethion, water, filtered, recoverable, micrograms per liter		0			
82625	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, micrograms per liter		< 0.5			
82630	Methylbuzin, water, filtered, recoverable, micrograms per liter					
82660	2,6-Diethylaniline, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82661	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82662	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82664	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82667	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82670	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82673	Benzfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82675	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82676	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82680	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82682	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82683	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82686	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82687	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.08			
85795	m-Xylene plus p-xylene, water, unfiltered, recoverable, micrograms per liter			859	868	625
90095	Specific conductance, water, unfiltered, laboratory, microsiemens per centimeter at 25 degrees Celsius					
90851	Triholomethanes, water, unfiltered, calcd, micrograms per liter			50.2		
90867	Triholomethanes, water, unfiltered, calcd, micrograms per liter					
99583	Bisphenol A-d3, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery					
99584	Caffeine-13C, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery					
99585	Decafluorobiphenyl, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery					
99586	Fluoranthene-d10, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery					
99832	1,2-Dichloroethane-d4, surrogate, Schedule 2090, water, unfiltered, percent recovery					
99833	Toluene-d8, surrogate, Schedule 2090, water, unfiltered, percent recovery					
99834	1-Bromo-4-fluorobenzene, surrogate, VOC schedules, water, unfiltered, percent recovery					
99994	Diazinon-d10, surrogate, Schedule 2003, water, filtered, percent recovery					
99995	alpha-HCH-d6, surrogate, Schedule 2003, water, filtered, percent recovery					

Notes:

U.S. EPA STORET numbers for MCLs correspond to the same as the USGS NWIS data parameter number except as follows:

- (a) MCL shown for U.S. EPA STORET No. 620.
- (b) MCL shown for U.S. EPASTORET No. 951.
- (c) MCL shown for U.S. EPA STORET No. 1002.
- (d) MCL shown for U.S. EPA STORET No. 1007.
- (e) MCL shown for U.S. EPA STORET No. 1012.
- (f) MCL shown for U.S. EPA STORET No. 1027.
- (g) MCL shown for U.S. EPA STORET No. 1034.
- (h) MCL shown for U.S. EPA STORET No. 1042.
- (i) MCL shown for U.S. EPA STORET No. 1059.
- (j) MCL shown for U.S. EPA STORET No. 1067.
- (k) MCL shown for U.S. EPASTORET No. 1077.
- (l) MCL shown for U.S. EPA STORET No. 1092.
- (m) MCL shown for U.S. EPA STORET No. 1097.
- (n) MCL shown for U.S. EPA STORET No. 1105.
- (o) MCL shown for U.S. EPA STORET No. 1147.
- (p) MCL shown for U.S. EPA STORET No. 34247.
- (q) MCL shown for U.S. EPA STORET No. 71850.

Code--Data parameter number used in USGS National Water Information System (NWIS).

E--Estimated.

M--Presence verified but not quantified.

MCL--Maximum Contaminant Level reported by California DHS (May 25, 2007 Database) for U.S. EPA STORET number.

V--Biased results from contamination.

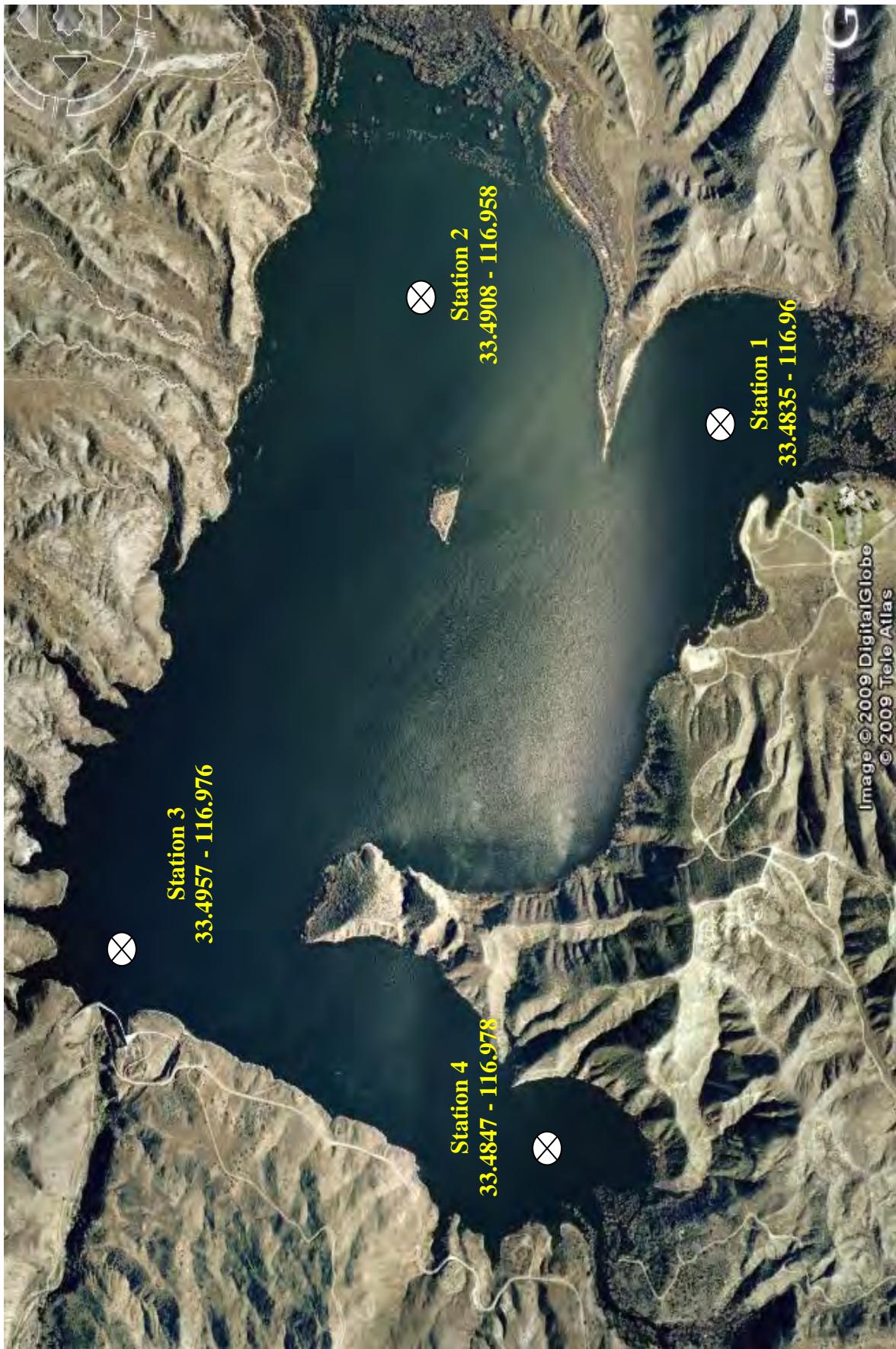
ANNUAL REPORT

**COOPERATIVE WATER RESOURCE
MANAGEMENT AGREEMENT**

CALENDAR YEAR 2015

APPENDIX D-2

WATER QUALITY DATA FOR VAIL LAKE

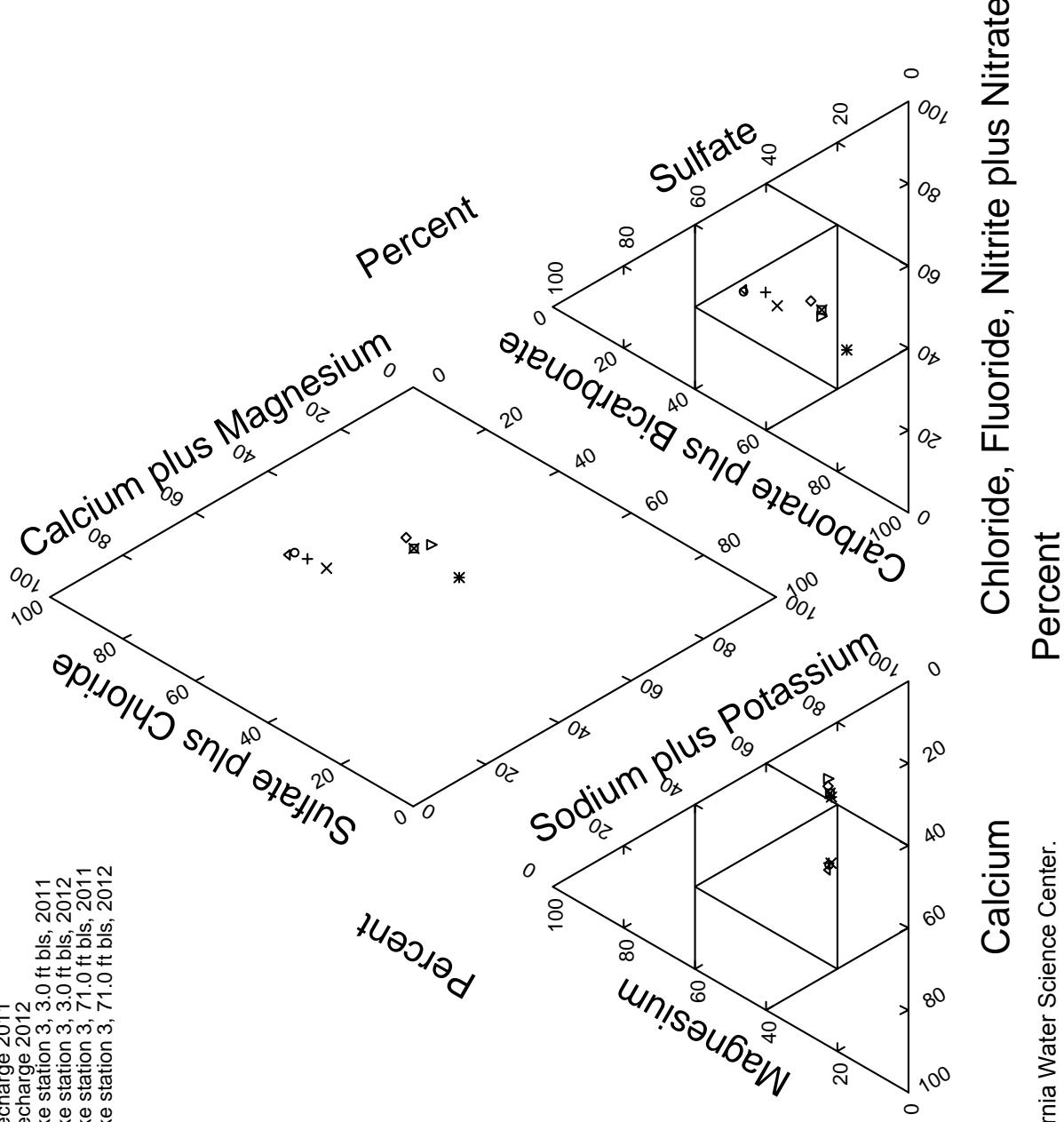


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Tri-Linear Diagram VDC Recharge and Vail Lake

Explanation

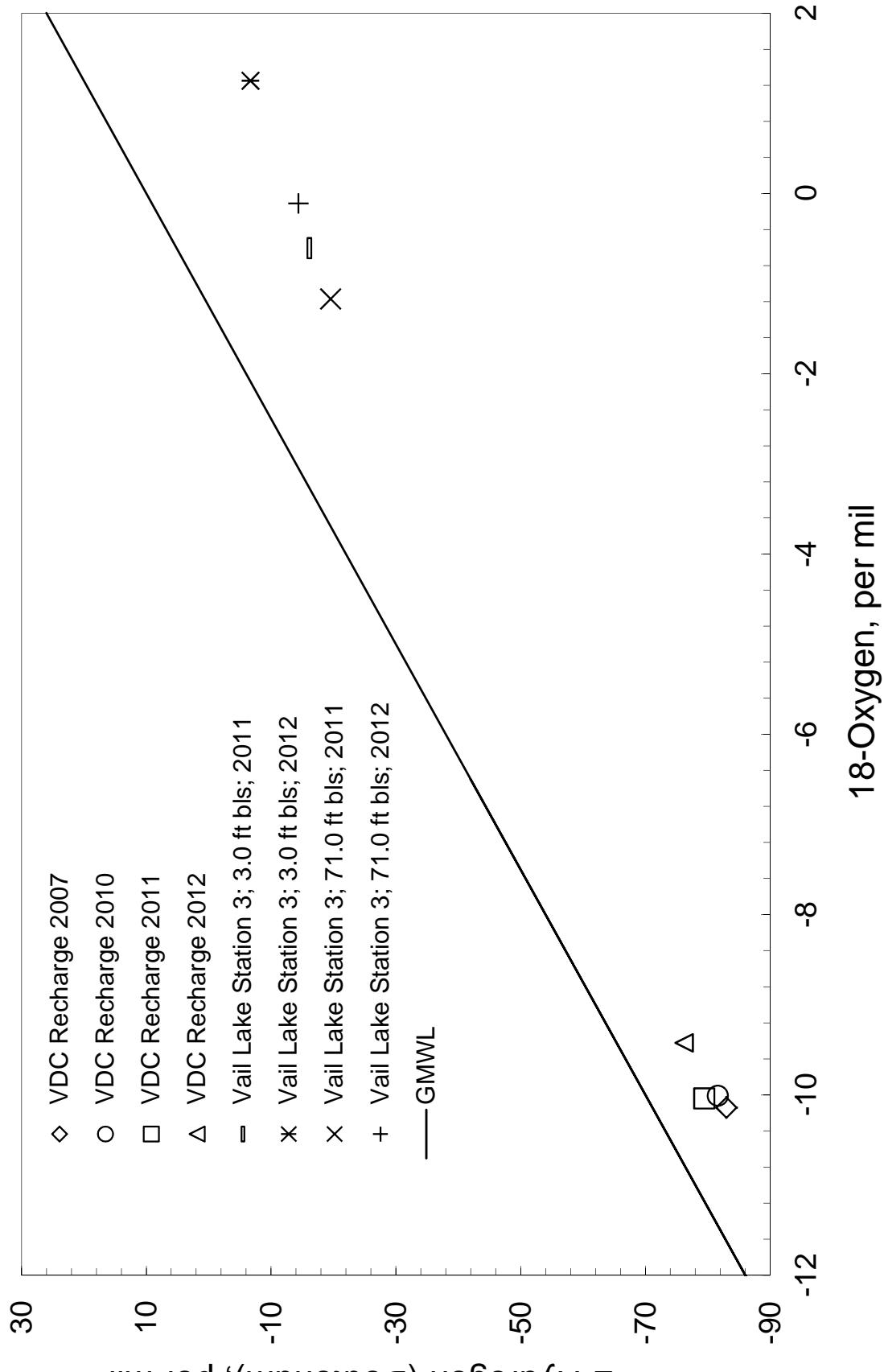
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- VDC Recharge 2007
- VDC Recharge 2010
- VDC Recharge 2011
- VDC Recharge 2012
- Vail Lake station 3, 3.0 ft bsl, 2011
- Vail Lake station 3, 3.0 ft bsl, 2012
- Vail Lake station 3, 71.0 ft bsl, 2011
- Vail Lake station 3, 71.0 ft bsl, 2012



Source: USGS California Water Science Center.

Stable Isotope Diagram

VDC Recharge and Vail Lake



Source: USGS California Water Science Center.

Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1M
Data Collected by RCWD

Parameter	3 Vail 1M 9/22/2009	3 Vail 1M 10/21/2009	3 Vail 1M 11/18/2009	3 Vail 1M 5/26/2010	3 Vail 1M 6/17/2010	3 Vail 1M 9/18/2010
Sampling Date						
Reservoir Storage Content, acre feet	22,030	21,630	21,230	25,790	25,490	24,000
Reservoir Storage Content, percent full	44.6%	43.8%	43.0%	52.2%	51.6%	48.6%
Water Surface Elevation, feet above mean sea level	1,438.92	1,438.34	1,437.76	1,444.13	1,443.74	1,441.71
Water Surface Elevation, feet above bottom of lowest outlet	86.42	85.84	85.26	91.63	91.24	89.21
Sampling Depth, meters below water surface	1.0	1.0	1.0	1.0	1.0	1.0
Dissolved Oxygen, milligrams per liter						
pH, standard units						
Total Dissolved Solids, milligrams per liter						
Specific Conductance, microsiemens per centimeter at 25 degrees Celsius						
Temperature, water, degrees Celsius						
Aluminum, micrograms per liter	ND	ND	ND	ND	ND	ND
Ammonia, milligrams per liter as nitrogen						
Antimony, micrograms per liter						
Arsenic, micrograms per liter						
Barium, micrograms per liter						
Beryllium, micrograms per liter						
Bicarbonate as HCO ₃ , milligrams per liter						
Carbonate as CO ₃ , milligrams per liter	260	290	300	240	240	180
Chloride, milligrams per liter	12	ND	ND	14	14	34
Cyanide, milligrams per liter	180	180	180	130	130	160
Fluoride, milligrams per liter						
Hydroxide as OH, milligrams per liter	ND	ND	ND	ND	ND	ND
Inorganic Nitrogen, milligrams per liter	ND	ND	ND	ND	ND	ND
Kjeldahl Nitrogen, milligrams per liter						
Lead, micrograms per liter						
Mercury, micrograms per liter						
Nickel, micrograms per liter						
Nitrate Nitrogen, milligrams per liter	ND	ND	ND	ND	ND	ND
Nitrite Nitrogen, milligrams per liter	ND	ND	ND	ND	ND	ND
Ortho Phosphate Phosphorus, milligrams per liter	ND	ND	0.053	ND	ND	ND
Perchlorate, micrograms per liter						
Selenium, micrograms per liter						
Silver, micrograms per liter						
Sulfate, milligrams per liter						
Thallium, milligrams per liter	180	180	140	140	140	170
Total Alkalinity as CaCO ₃ , milligrams per liter	230	240	250	220	220	200
Total Chromium, micrograms per liter						
Total Suspended Solids, milligrams per liter	ND	ND	7	8	8	13

Notes:

Station No. 3 Vail 1M located near upstream face of Vail Dam, sample depth one meter below water surface.

Total capacity, 49,370 acre feet, between elevations 1,352.5 feet, bottom of lowest outlet, and 1,470 feet, crest of spillway.

ND - None detected.

Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1M
Data Collected by RCWD

Parameter	Sampling Date	3 Vail 1M	3 Vail 1M	3 Vail 1M	3 Vail 1M	3 Vail 1M	3 Vail 1M
	10/9/2010	11/13/2010	12/11/2010	1/8/2011	2/12/2011	4/16/2011	
Reservoir Storage Content, acre feet	23,640	22,510	21,960	27,740	28,060	32,120	
Reservoir Storage Content, percent full	47.9%	45.6%	44.5%	56.2%	56.8%	65.1%	
Water Surface Elevation, feet above mean sea level	1,441.21	1,439.61	1,438.82	1,446.68	1,447.08	1,452.03	
Water Surface Elevation, feet above bottom of lowest outlet	88.71	87.11	86.32	94.18	94.58	99.53	
Sampling Depth, meters below water surface	1.0	1.0	1.0	1.0	1.0	1.0	
Dissolved Oxygen, milligrams per liter							
pH, standard units							
Total Dissolved Solids, milligrams per liter							
Specific Conductance, microsiemens per centimeter at 25 degrees Celsius							
Temperature, water, degrees Celsius							
Aluminum, micrograms per liter	0.18	0.13	0.33	0.18	ND	ND	
Ammonia, milligrams per liter as nitrogen							
Antimony, micrograms per liter							
Arsenic, micrograms per liter							
Barium, micrograms per liter							
Beryllium, micrograms per liter							
Bicarbonate as HCO ₃ , milligrams per liter	260	260	270	220	230	190	
Carbonate as CO ₃ , milligrams per liter	ND	ND	ND	ND	ND	ND	
Chloride, milligrams per liter	150	160	160	130	120	110	
Cyanide, milligrams per liter							
Fluoride, milligrams per liter							
Hydroxide as OH-, milligrams per liter	ND	ND	ND	ND	ND	ND	
Inorganic Nitrogen, milligrams per liter	ND	ND	0.3	0.4	ND	ND	
Kjeldahl Nitrogen, milligrams per liter							
Lead, micrograms per liter							
Mercury, micrograms per liter							
Nickel, micrograms per liter							
Nitrate Nitrogen, milligrams per liter	ND	ND	ND	0.23	ND	ND	
Nitrite Nitrogen, milligrams per liter	ND	ND	ND	ND	ND	ND	
Ortho Phosphate Phosphorus, milligrams per liter	ND	ND	ND	0.088	ND	ND	
Perchlorate, micrograms per liter							
Selenium, micrograms per liter							
Silver, micrograms per liter							
Sulfate, milligrams per liter	160	150	160	130	120	110	
Thallium, micrograms per liter	210	220	220	180	190	180	
Total Alkalinity as CaCO ₃ , milligrams per liter							
Total Chromium, micrograms per liter	6	10	12	8	10	6	
Total Suspended Solids, milligrams per liter							

Notes:

Station No. 3 Vail 1M located near upstream face of Vail Dam, sample depth one meter below water surface.

Total capacity, 49,370 acre feet, between elevations 1,352.5 feet, bottom of lowest outlet, and 1,470 feet, crest of spillway.

ND - None detected.

Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1M
Data Collected by RCWD

Parameter	3 Vail 1M					
Sampling Date	5/14/2011	6/18/2011	7/23/2011	8/20/2011	9/17/2011	11/5/2011
Reservoir Storage Content, acre feet	31,990	31,550	30,730	30,120	29,590	28,880
Reservoir Storage Content, percent full	64.8%	63.9%	62.2%	61.0%	59.9%	58.5%
Water Surface Elevation, feet above mean sea level	1,451.88	1,451.36	1,450.38	1,449.64	1,448.99	1,448.11
Water Surface Elevation, feet above bottom of lowest outlet	99.38	98.86	97.88	97.14	96.49	95.61
Sampling Depth, meters below water surface	1.0	1.0	1.0	1.0	1.0	1.0
Dissolved Oxygen, milligrams per liter						
pH, standard units						
Total Dissolved Solids, milligrams per liter	520	550	570	600		
Specific Conductance, microsiemens per centimeter at 25 degrees Celsius	984	984	984	984		
Temperature, water, degrees Celsius	21.7	21.7	21.7	21.7		
Aluminum, micrograms per liter	ND	ND	ND	ND	ND	ND
Ammonia, milligrams per liter as nitrogen						
Antimony, micrograms per liter						
Arsenic, micrograms per liter						
Barium, micrograms per liter						
Beryllium, micrograms per liter						
Bicarbonate as HCO ₃ , milligrams per liter						
Carbonate as CO ₃ , milligrams per liter	170	160	200	220	240	
Chloride, milligrams per liter	22	30	13	8.4	ND	
Cyanide, milligrams per liter	100	110	120	120	130	
Fluoride, milligrams per liter						
Hydroxide as OH, milligrams per liter						
Inorganic Nitrogen, milligrams per liter						
Kieldahl Nitrogen, milligrams per liter						
Lead, micrograms per liter						
Mercury, micrograms per liter						
Nickel, micrograms per liter						
Nitrate Nitrogen, milligrams per liter	ND	ND	ND	ND	ND	
Nitrite Nitrogen, milligrams per liter	ND	ND	ND	ND	ND	
Ortho Phosphate Phosphorus, milligrams per liter	ND	ND	ND	ND	ND	
Perchlorate, micrograms per liter						
Selenium, micrograms per liter						
Silver, micrograms per liter						
Sulfate, milligrams per liter						
Thallium, micrograms per liter	110	110	110	120	110	
Total Alkalinity as CaCO ₃ , milligrams per liter	180	180	190	190	190	
Total Chromium, micrograms per liter						
Total Suspended Solids, milligrams per liter	16	18	ND	6	8	

Notes:

Station No. 3 Vail 1M located near upstream face of Vail Dam, sample depth one meter below water surface.

Total capacity, 49,370 acre feet, between elevations 1,352.5 feet, bottom of lowest outlet, and 1,470 feet, crest of spillway.

ND - None detected.

Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1M
Data Collected by RCWD

Parameter	3 Vail 1M					
Sampling Date	12/3/2011	1/28/2012	2/25/2012	3/10/2012	4/28/2012	6/16/2012
Reservoir Storage Content, acre feet	28,790	28,740	28,800	28,870	29,360	28,570
Reservoir Storage Content, percent full	58.3%	58.2%	58.3%	58.5%	59.5%	57.9%
Water Surface Elevation, feet above mean sea level	1,448.00	1,447.94	1,448.01	1,448.10	1,448.71	1,447.72
Water Surface Elevation, feet above bottom of lowest outlet	95.50	95.44	95.51	95.60	96.21	95.22
Sampling Depth, meters below water surface	1.0	1.0	1.0	1.0	1.0	1.0
Dissolved Oxygen, milligrams per liter						
pH, standard units						
Total Dissolved Solids, milligrams per liter	640	500	490	630	600	600
Specific Conductance, microsiemens per centimeter at 25 degrees Celsius						
Temperature, water, degrees Celsius						
Aluminum, micrograms per liter	0.2	ND	ND	ND	< 0.10	< 0.10
Ammonia, milligrams per liter as nitrogen						
Antimony, micrograms per liter						
Arsenic, micrograms per liter						
Barium, micrograms per liter						
Beryllium, micrograms per liter						
Bicarbonate as HCO ₃ , milligrams per liter	240	260	220	250	240	240
Carbonate as CO ₃ , milligrams per liter	ND	ND	18	3.6	11	7.7
Chloride, milligrams per liter	130	120	130	120	130	130
Cyanide, milligrams per liter						
Fluoride, milligrams per liter						
Hydroxide as OH, milligrams per liter	ND	ND	ND	ND	< 3.0	< 3.0
Inorganic Nitrogen, milligrams per liter	0.2	ND	ND	ND	< 0.20	< 0.20
Kieldahl Nitrogen, milligrams per liter						
Lead, micrograms per liter		2.1			1.5	1.2
Mercury, micrograms per liter						
Nickel, micrograms per liter						
Nitrate Nitrogen, milligrams per liter	ND	ND	ND	ND	< 0.20	< 0.20
Nitrite Nitrogen, milligrams per liter	ND	ND	ND	ND	< 0.10	< 0.10
Ortho Phosphate Phosphorus, milligrams per liter	ND	ND	ND	ND	< 0.050	< 0.050
Perchlorate, micrograms per liter						
Selenium, micrograms per liter						
Silver, micrograms per liter						
Sulfate, milligrams per liter	120	110	120	120	130	120
Thallium, micrograms per liter						
Total Alkalinity as CaCO ₃ , milligrams per liter	200	210	210	210	210	210
Total Chromium, micrograms per liter						
Total Suspended Solids, milligrams per liter	11	25	14	9	8	< 5

Notes:

Station No. 3 Vail 1M located near upstream face of Vail Dam, sample depth one meter below water surface.

Total capacity, 49,370 acre feet, between elevations 1,352.5 feet, bottom of lowest outlet, and 1,470 feet, crest of spillway.

ND - None detected.

Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1M
Data Collected by RCWD

Parameter	Sampling Date	3 Vail 1M	3 Vail 1M	3 Vail 1M	3 Vail 1M	3 Vail 1M	3 Vail 1M
Reservoir Storage Content, acre feet	7/14/2012	8/11/2012	9/15/2012	10/20/2012	11/17/2012	10/19/2013	1/19/2013
Reservoir Storage Content, percent full	28,000	27,490	26,880	26,110	25,020	23,970	23,970
Water Surface Elevation, feet above mean sea level	56.7%	55.7%	54.4%	52.9%	50.7%	48.6%	48.6%
Water Surface Elevation, feet above bottom of lowest outlet	1,447.01	1,446.35	1,445.56	1,444.55	1,443.11	1,441.68	1,441.68
Sampling Depth, meters below water surface	94.51	93.85	93.06	92.05	90.61	89.18	89.18
Dissolved Oxygen, milligrams per liter	1.0	1.0	1.0	1.0	1.0	1.0	1.0
pH, standard units							
Total Dissolved Solids, milligrams per liter	630	610	660	590	680	690	690
Specific Conductance, microsiemens per centimeter at 25 degrees Celsius							
Temperature, water, degrees Celsius							
Aluminum, micrograms per liter	< 0.10	< 0.10	< 0.10	< 0.10	0.15	< 0.10	< 0.10
Ammonia, milligrams per liter as nitrogen							
Antimony, micrograms per liter							
Arsenic, micrograms per liter							
Barium, micrograms per liter							
Beryllium, micrograms per liter							
Bicarbonate as HCO ₃ , milligrams per liter	240	230	230	240	270	290	290
Carbonate as CO ₃ , milligrams per liter	12	13	16	11	< 3.0	< 3.0	< 3.0
Chloride, milligrams per liter	130	130	140	140	140	140	140
Cyanide, milligrams per liter							
Fluoride, milligrams per liter							
Hydroxide, as OH, milligrams per liter	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Inorganic Nitrogen, milligrams per liter	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Kieldahl Nitrogen, milligrams per liter	1.3	2.0	3.2	2.2	1.7	1.5	1.5
Lead, micrograms per liter							
Mercury, micrograms per liter							
Nickel, micrograms per liter							
Nitrate Nitrogen, milligrams per liter	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Nitrite Nitrogen, milligrams per liter	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.15	0.15
Ortho Phosphate Phosphorus, milligrams per liter	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Perchlorate, micrograms per liter							
Selenium, micrograms per liter							
Silver, micrograms per liter							
Sulfate, milligrams per liter							
Thallium, milligrams per liter							
Total Alkalinity as CaCO ₃ , milligrams per liter	220	210	220	220	230	240	240
Total Chromium, micrograms per liter							
Total Suspended Solids, milligrams per liter	7	12	6	11	9	20	20

Notes:

Station No. 3 Vail 1M located near upstream face of Vail Dam, sample depth one meter below water surface.
 Total capacity, 49,370 acre feet, between elevations 1,352.5 feet, bottom of lowest outlet, and 1,470 feet, crest of spillway.

ND - None detected.

Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1M
Data Collected by RCWD

Parameter	3 Vail 1M 2/23/2013	3 Vail 1M 3/23/2013	3 Vail 1M 4/20/2013	3 Vail 1M 5/4/2013	3 Vail 1M 6/22/2013	3 Vail 1M 6/31/2015
Sampling Date						
Reservoir Storage Content, acre feet	23,790	23,610	23,410	23,280	22,530	14,110
Reservoir Storage Content, percent full	48.2%	47.8%	47.4%	47.2%	45.6%	28.6%
Water Surface Elevation, feet above mean sea level	1,441.43	1,441.17	1,440.90	1,440.17	1,439.64	1,425.80
Water Surface Elevation, feet above bottom of lowest outlet	88.93	88.67	88.40	87.67	87.14	73.30
Sampling Depth, meters below water surface	1.0	1.0	1.0	1.0	1.0	1.0
Dissolved Oxygen, milligrams per liter						
pH, standard units						
Total Dissolved Solids, milligrams per liter	670	700	690	680	690	840
Specific Conductance, microsiemens per centimeter at 25 degrees Celsius						
Temperature, water, degrees Celsius						
Aluminum, micrograms per liter	< 0.10	< 0.10	< 0.10	< 0.10	0.11	0.28
Ammonia, milligrams per liter as nitrogen						
Antimony, micrograms per liter						
Arsenic, micrograms per liter						
Barium, micrograms per liter						
Beryllium, micrograms per liter						
Bicarbonate as HCO ₃ , milligrams per liter	250	280	290	280	300	360
Carbonate as CO ₃ , milligrams per liter	3.6	9.6	< 3.0	< 3.0	11	17
Chloride, milligrams per liter	140	140	150	150	150	230
Cyanide, milligrams per liter						
Fluoride, milligrams per liter						
Hydroxide as OH, milligrams per liter	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 1.7
Inorganic Nitrogen, milligrams per liter	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.28
Kjeldahl Nitrogen, milligrams per liter	2.1	1.5	0.77	1.1	1.6	1.8
Lead, micrograms per liter						
Mercury, micrograms per liter						
Nickel, micrograms per liter						
Nitrate Nitrogen, milligrams per liter	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.11
Nitrite Nitrogen, milligrams per liter	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.046
Ortho Phosphate Phosphorus, milligrams per liter	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.0028
Perchlorate, micrograms per liter						
Selenium, micrograms per liter						
Silver, micrograms per liter						
Sulfate, milligrams per liter	130	130	130	140	130	180
Thallium, micrograms per liter						
Total Alkalinity as CaCO ₃ , milligrams per liter	210	240	240	230	260	330
Total Chromium, micrograms per liter	8	9	< 5	< 5	< 5	6
Total Suspended Solids, milligrams per liter						

Notes:

Station No. 3 Vail 1M located near upstream face of Vail Dam, sample depth one meter below water surface.
 Total capacity, 49,370 acre feet, between elevations 1,352.5 feet, bottom of lowest outlet, and 1,470 feet, crest of spillway.
 ND - None detected.

Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1MAB
Data Collected by RCWD

Parameter	3 Vail 1MAB 9/22/2009	3 Vail 1MAB 10/21/2009	3 Vail 1MAB 11/18/2009	3 Vail 1MAB 5/26/2010	3 Vail 1MAB 6/7/2010	3 Vail 1MAB 10/31/2015	3 Vail 1MAB 9/18/2010
Sampling Date							
Reservoir Storage Content, acre feet	22,030	21,630	21,230	25,790	25,490	24,510	24,000
Reservoir Storage Content, percent full	44.6%	43.8%	43.0%	52.2%	51.6%	49.6%	48.6%
Water Surface Elevation, feet above mean sea level	1,438.92	1,438.34	1,437.76	1,444.13	1,443.74	1,442.42	1,441.71
Water Surface Elevation, feet above bottom of lowest outlet	86.42	85.84	85.26	91.63	91.24	89.92	89.21
Sampling Depth, meters above reservoir bottom	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Dissolved Oxygen, milligrams per liter							
pH, standard units							
Total Dissolved Solids, milligrams per liter							
Specific Conductance, microsiemens per centimeter at 25 degrees Celsius							
Temperature, water, degrees Celsius							
Aluminum, micrograms per liter							
Ammonia, milligrams per liter as nitrogen	4.10	5.50	0.12	1.90		0.28	1.80
Antimony, micrograms per liter							
Arsenic, micrograms per liter							
Barium, micrograms per liter							
Beryllium, micrograms per liter							
Bicarbonate as HCO ₃ , milligrams per liter	370	360	300	300	ND	ND	420
Carbonate as CO ₃ , milligrams per liter		ND	ND	ND	ND	ND	ND
Chloride, milligrams per liter	160	160	180	150			160
Cyanide, milligrams per liter							
Fluoride, milligrams per liter							
Hydroxide as OH, milligrams per liter							
Inorganic Nitrogen, milligrams per liter							
Kjeldahl Nitrogen, milligrams per liter	4.10	5.50	ND	ND	ND	ND	ND
Lead, micrograms per liter							
Mercury, micrograms per liter							
Nickel, micrograms per liter							
Nitrate Nitrogen, milligrams per liter	ND	ND	ND	ND	ND	ND	ND
Nitrite Nitrogen, milligrams per liter	ND	ND	ND	ND	ND	ND	ND
Ortho Phosphate Phosphorus, milligrams per liter	0.78	1.10	0.053	0.470			1.400
Perchlorate, micrograms per liter							
Selenium, micrograms per liter							
Silver, micrograms per liter							
Sulfate, milligrams per liter	110		190	140		180	69
Thallium, micrograms per liter							
Total Alkalinity as CaCO ₃ , milligrams per liter	300	300	250	250		330	340
Total Chromium, micrograms per liter		ND	ND	ND	ND	ND	ND
Total Suspended Solids, milligrams per liter						6	6

Notes:

Station No. 3 Vail 1MAB located near upstream face of Vail Dam, sample depth one meter above reservoir bottom.
 Total capacity, 49,370 acre feet, between elevations 1,352.5 feet, bottom of lowest outlet, and 1,470 feet, crest of spillway.
 ND - None detected.

Source: Rancho California Water District.

Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1MAB
Data Collected by RCWD

Parameter	3 Vail 1MAB						
Sampling Date	10/9/2010	11/13/2010	12/11/2010	1/8/2011	2/1/2011	10/31/2015	4/16/2011
Reservoir Storage Content, acre feet	23,640	22,510	21,960	27,740	28,060	30,740	32,120
Reservoir Storage Content, percent full	47.9%	45.6%	44.5%	56.2%	56.8%	62.3%	65.1%
Water Surface Elevation, feet above mean sea level	1,441.21	1,439.61	1,438.82	1,446.68	1,447.08	1,450.39	1,452.03
Water Surface Elevation, feet above bottom of lowest outlet	88.71	87.11	86.32	94.18	94.58	97.89	99.53
Sampling Depth, meters above reservoir bottom	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Dissolved Oxygen, milligrams per liter							
pH, standard units							
Total Dissolved Solids, milligrams per liter							
Specific Conductance, microsiemens per centimeter at 25 degrees Celsius							
Temperature, water, degrees Celsius							
Aluminum, micrograms per liter							
Ammonia, milligrams per liter as nitrogen	7.80	9.10	0.31	0.22	ND	0.28	0.45
Antimony, micrograms per liter							
Arsenic, micrograms per liter							
Barium, micrograms per liter							
Beryllium, micrograms per liter							
Bicarbonate as HCO ₃ , milligrams per liter	390	430	270	220	230	360	230
Carbonate as CO ₃ , milligrams per liter	ND	ND	ND	ND	ND	17	ND
Chloride, milligrams per liter	150	150	160	130	120	230	120
Cyanide, milligrams per liter							
Fluoride, milligrams per liter							
Hydroxide as OH, milligrams per liter							
Inorganic Nitrogen, milligrams per liter							
Kjeldahl Nitrogen, milligrams per liter							
Lead, micrograms per liter							
Mercury, micrograms per liter							
Nickel, micrograms per liter							
Nitrate Nitrogen, milligrams per liter	ND	ND	0.34	ND	<0.11	ND	ND
Nitrite Nitrogen, milligrams per liter	ND	ND	ND	ND	<0.046	ND	ND
Ortho Phosphate Phosphorus, milligrams per liter	1,000	0.660	ND	0.09	ND	<0.0028	0.170
Perchlorate, micrograms per liter							
Selenium, micrograms per liter							
Silver, micrograms per liter							
Sulfate, milligrams per liter	60	45	160	130	120	180	120
Thallium, micrograms per liter							
Total Alkalinity as CaCO ₃ , milligrams per liter	320	360	220	180	190	330	180
Total Chromium, micrograms per liter	6	ND	14	8	8	6	ND
Total Suspended Solids, milligrams per liter							

Notes:

Station No. 3 Vail 1MAB located near upstream face of Vail Dam, sample depth one meter above reservoir bottom.
 Total capacity, 49,370 acre feet, between elevations 1,352.5 feet, bottom of lowest outlet, and 1,470 feet, crest of spillway.
 ND - None detected.

Source: Rancho California Water District.

Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1MAB
Data Collected by RCWD

Parameter	3 Vail 1MAB 5/14/2011	3 Vail 1MAB 6/18/2011	3 Vail 1MAB 7/23/2011	3 Vail 1MAB 8/20/2011	3 Vail 1MAB 9/7/2011	3 Vail 1MAB 10/31/2015	3 Vail 1MAB 11/5/2011
Sampling Date							
Reservoir Storage Content, acre feet	31,990	31,550	30,730	30,120	29,590	29,140	28,880
Reservoir Storage Content, percent full	64.8%	63.9%	62.2%	61.0%	59.9%	59.0%	58.5%
Water Surface Elevation, feet above mean sea level	1,451.88	1,451.36	1,450.38	1,449.64	1,448.99	1,448.44	1,448.11
Water Surface Elevation, feet above bottom of lowest outlet	99.38	98.86	97.88	97.14	96.49	95.94	95.61
Sampling Depth, meters above reservoir bottom	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Dissolved Oxygen, milligrams per liter			0				
pH, standard units			7.56				
Total Dissolved Solids, milligrams per liter		530		560	610	840	590
Specific Conductance, microsiemens per centimeter at 25 degrees Celsius			1007				
Temperature, water, degrees Celsius			12.2				
Aluminum, micrograms per liter							
Ammonia, milligrams per liter as nitrogen	0.81	1.4		3.6	5	0.3	0.13
Antimony, micrograms per liter							
Arsenic, micrograms per liter							
Barium, micrograms per liter							
Beryllium, micrograms per liter							
Bicarbonate as HCO ₃ , milligrams per liter	240	240		300	330	360	230
Carbonate as CO ₃ , milligrams per liter	ND	ND		ND	ND	17	ND
Chloride, milligrams per liter	110	130		120	120	230	130
Cyanide, milligrams per liter							
Fluoride, milligrams per liter							
Hydroxide as OH, milligrams per liter							
Inorganic Nitrogen, milligrams per liter							
Kjeldahl Nitrogen, milligrams per liter	ND	ND		ND	ND	<1.7	ND
Nickel, micrograms per liter	0.8	1.4		3.6	5	<0.28	ND
Lead, micrograms per liter						1.8	
Mercury, micrograms per liter							
Nickel, micrograms per liter							
Nitrate Nitrogen, milligrams per liter	ND	ND		ND	ND	<0.11	ND
Nitrite Nitrogen, milligrams per liter	ND	ND		ND	ND	<0.046	ND
Ortho Phosphate Phosphorus, milligrams per liter	0.26	0.49		0.36	0.65	<0.0028	0.45
Perchlorate, micrograms per liter							
Selenium, micrograms per liter							
Silver, micrograms per liter							
Sulfate, milligrams per liter	110	100		74	60	180	110
Thallium, micrograms per liter							
Total Alkalinity as CaCO ₃ , milligrams per liter	190	200		240	270	330	190
Total Chromium, micrograms per liter	6	ND		ND	ND	6	6
Total Suspended Solids, milligrams per liter							

Notes:

Station No. 3 Vail 1MAB located near upstream face of Vail Dam, sample depth one meter above reservoir bottom.
 Total capacity, 49,370 acre feet, between elevations 1,352.5 feet, bottom of lowest outlet, and 1,470 feet, crest of spillway.
 ND - None detected.

Source: Rancho California Water District.

Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1MAB
Data Collected by RCWD

Parameter	3 Vail 1MAB 12/3/2011	3 Vail 1MAB 1/28/2012	3 Vail 1MAB 2/25/2012	3 Vail 1MAB 3/10/2012	3 Vail 1MAB 4/28/2012	3 Vail 1MAB 10/31/2015	3 Vail 1MAB 6/16/2012
Sampling Date							
Reservoir Storage Content, acre feet	28,790	28,740	28,800	28,870	29,360	29,220	28,570
Reservoir Storage Content, percent full	58.3%	58.2%	58.3%	58.5%	59.5%	59.2%	57.9%
Water Surface Elevation, feet above mean sea level	1,448.00	1,447.94	1,448.01	1,448.10	1,448.71	1,448.53	1,447.72
Water Surface Elevation, feet above bottom of lowest outlet	95.50	95.44	95.51	95.60	96.21	96.03	95.22
Sampling Depth, meters above reservoir bottom	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Dissolved Oxygen, milligrams per liter							
pH, standard units							
Total Dissolved Solids, milligrams per liter	670	520	510	630	590	840	600
Specific Conductance, microsiemens per centimeter at 25 degrees Celsius							
Temperature, water, degrees Celsius							
Aluminum, micrograms per liter	0.24	ND	0.4	0.61	1.7	0.28	2.7
Ammonia, milligrams per liter as nitrogen							
Antimony, micrograms per liter							
Arsenic, micrograms per liter							
Barium, micrograms per liter							
Beryllium, micrograms per liter							
Bicarbonate as HCO ₃ , milligrams per liter	240	260	260	260	280	360	280
Carbonate as CO ₃ , milligrams per liter	ND	ND	ND	ND	< 3.0	17	< 3.0
Chloride, milligrams per liter	130	120	130	120	130	130	120
Cyanide, milligrams per liter							
Fluoride, milligrams per liter							
Hydroxide as OH, milligrams per liter							
Inorganic Nitrogen, milligrams per liter							
Kjeldahl Nitrogen, milligrams per liter	0.2	ND	0.4	0.6	1.7	< 1.7	< 3.0
Lead, micrograms per liter			1.8		3.1	1.8	2.7
Mercury, micrograms per liter							
Nickel, micrograms per liter							
Nitrate Nitrogen, milligrams per liter	ND	ND	ND	< 0.20	< 0.11	< 0.20	< 0.20
Nitrite Nitrogen, milligrams per liter	ND	ND	ND	< 0.10	< 0.046	< 0.10	< 0.10
Ortho Phosphate Phosphorus, milligrams per liter	ND	ND	0.13	0.31	< 0.028	< 0.028	0.45
Perchlorate, micrograms per liter							
Selenium, micrograms per liter							
Silver, micrograms per liter							
Sulfate, milligrams per liter	120	110	120	110	110	180	87
Thallium, micrograms per liter							
Total Alkalinity as CaCO ₃ , milligrams per liter	200	210	210	210	230	330	230
Total Chromium, micrograms per liter	12	23	12	11	6	6	< 5
Total Suspended Solids, milligrams per liter							

Notes:

Station No. 3 Vail 1MAB located near upstream face of Vail Dam, sample depth one meter above reservoir bottom.
 Total capacity, 49,370 acre feet, between elevations 1,352.5 feet, bottom of lowest outlet, and 1,470 feet, crest of spillway.
 ND - None detected.

Source: Rancho California Water District.

Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1MAB
Data Collected by RCWD

Parameter	3 Vail 1MAB						
Sampling Date	7/14/2012	8/11/2012	9/15/2012	10/20/2012	11/7/2012	10/31/2015	1/19/2013
Reservoir Storage Content, acre feet	28,000	27,490	26,880	26,110	25,020	24,340	23,970
Reservoir Storage Content, percent full	56.7%	55.7%	54.4%	52.9%	50.7%	49.3%	48.6%
Water Surface Elevation, feet above mean sea level	1,447.01	1,446.35	1,445.56	1,444.55	1,443.11	1,442.18	1,441.68
Water Surface Elevation, feet above bottom of lowest outlet	94.51	93.85	93.06	92.05	90.61	89.68	89.18
Sampling Depth, meters above reservoir bottom	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Dissolved Oxygen, milligrams per liter							
pH, standard units							
Total Dissolved Solids, milligrams per liter	620	600	610	610	700	840	700
Specific Conductance, microsiemens per centimeter at 25 degrees Celsius							
Temperature, water, degrees Celsius							
Aluminum, micrograms per liter	2.5	4.0	4.0	8.6	0.20	0	0.15
Ammonia, milligrams per liter as nitrogen							
Antimony, micrograms per liter							
Arsenic, micrograms per liter							
Barium, micrograms per liter							
Beryllium, micrograms per liter							
Bicarbonate as HCO ₃ , milligrams per liter	280	300	340	390	270	360	290
Carbonate as CO ₃ , milligrams per liter	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Chloride, milligrams per liter	120	120	120	120	120	130	140
Cyanide, milligrams per liter							
Fluoride, milligrams per liter							
Hydroxide as OH, milligrams per liter	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 1.7	< 3.0
Inorganic Nitrogen, milligrams per liter	2.5	4.0	4.1	8.6	0.20	< 0.28	0.31
Kieldahl Nitrogen, milligrams per liter	3.4	6.2	6.0	10	1.9	2	2.1
Lead, micrograms per liter							
Mercury, micrograms per liter							
Nickel, micrograms per liter							
Nitrate Nitrogen, milligrams per liter	< 0.20	< 0.20	< 0.20	< 0.20	< 0.11	< 0.20	< 0.20
Nitrite Nitrogen, milligrams per liter	< 0.10	< 0.10	< 0.10	< 0.10	< 0.046	< 0.16	< 0.050
Ortho Phosphate Phosphorus, milligrams per liter	0.40	< 0.14	0.49	1.1	< 0.050	< 0.028	< 0.028
Perchlorate, micrograms per liter							
Selenium, micrograms per liter							
Silver, micrograms per liter							
Sulfate, milligrams per liter							
Thallium, micrograms per liter							
Total Alkalinity as CaCO ₃ , milligrams per liter	230	250	280	320	220	330	240
Total Chromium, micrograms per liter	< 5	7	< 5	6	8	6	22
Total Suspended Solids, milligrams per liter							

Notes:

Station No. 3 Vail 1MAB located near upstream face of Vail Dam, sample depth one meter above reservoir bottom.
 Total capacity, 49,370 acre feet, between elevations 1,352.5 feet, bottom of lowest outlet, and 1,470 feet, crest of spillway.
 ND - None detected.

Source: Rancho California Water District.

Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1MAB
Data Collected by RCWD

Parameter	3 Vail 1MAB 2/23/2013	3 Vail 1MAB 3/23/2013	3 Vail 1MAB 4/20/2013	3 Vail 1MAB 5/4/2013	3 Vail 1MAB 6/22/2013	3 Vail 1MAB 10/31/2015
Sampling Date						
Reservoir Storage Content, acre feet	23,790	23,610	23,410	23,280	22,530	14,110
Reservoir Storage Content, percent full	48.2%	47.8%	47.4%	47.2%	45.6%	28.6%
Water Surface Elevation, feet above mean sea level	1,441.43	1,441.17	1,440.90	1,440.17	1,439.64	1,425.80
Water Surface Elevation, feet above bottom of lowest outlet	88.93	88.67	88.40	87.67	87.14	73.30
Sampling Depth, meters above reservoir bottom	1.0	1.0	1.0	1.0	1.0	1.0
Dissolved Oxygen, milligrams per liter						
pH, standard units						
Total Dissolved Solids, milligrams per liter	680	680	650	700	690	860
Specific Conductance, microsiemens per centimeter at 25 degrees Celsius						
Temperature, water, degrees Celsius						
Aluminum, micrograms per liter	0.20	0.91	1.6	2.1	3.9	10
Ammonia, milligrams per liter as nitrogen						
Antimony, micrograms per liter						
Arsenic, micrograms per liter						
Barium, micrograms per liter						
Beryllium, micrograms per liter						
Carbonate as HCO ₃ , milligrams per liter	290	300	290	290	310	580
Carbonate as CO ₃ , milligrams per liter	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 1.7
Chloride, milligrams per liter	140	130	140	150	140	200
Cyanide, milligrams per liter						
Fluoride, milligrams per liter						
Hydroxide as OH, milligrams per liter						
Inorganic Nitrogen, milligrams per liter	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 1.7
Kjeldahl Nitrogen, milligrams per liter	0.20	0.91	1.6	2.1	3.9	10
Lead, micrograms per liter	1.4	2.0	2.9	3.2	4.7	15
Mercury, micrograms per liter						
Nickel, micrograms per liter						
Nitrate Nitrogen, milligrams per liter	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.11
Nitrite Nitrogen, milligrams per liter	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.046
Ortho Phosphate Phosphorus, milligrams per liter	< 0.050	0.18	0.30	0.36	0.48	0.49
Perchlorate, micrograms per liter						
Selenium, micrograms per liter						
Silver, micrograms per liter						
Sulfate, milligrams per liter	130	120	130	120	96	43
Thallium, micrograms per liter						
Total Alkalinity as CaCO ₃ , milligrams per liter	240	240	240	240	260	470
Total Chromium, micrograms per liter	6	6	7	6	< 5	< 15
Total Suspended Solids, milligrams per liter						

Notes:

Station No. 3 Vail 1MAB located near upstream face of Vail Dam, sample depth one meter above reservoir bottom.
 Total capacity, 49,370 acre feet, between elevations 1,352.5 feet, bottom of lowest outlet, and 1,470 feet, crest of spillway.
 ND - None detected.

Source: Rancho California Water District.

Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1M
Data Collected by USGS

Code	Parameter	MCL	8/20/2011	9/15/2012	3 Vail 1M
	Sampling date		30,120	26,880	
	Reservoir Storage Content, acre feet		61.0%	54.9%	
	Reservoir Storage Content, percent full		1,449,644	1,445,37	
	Water Surface Elevation, feet above mean sea level		97.14	92.87	
	Water Surface Elevation, feet above bottom of lowest outlet			3.0	3.0
3	Sampling depth, feet below water surface			22.5	27.4
10	Temperature, water, degrees Celsius				
28	Agency analyzing sample, code		80020	80020	
59	Flow rate, instantaneous, gallons per minute				
95	Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius		948	1080	
191	Hydrogen ion, water, unfiltered, calculated, milligrams per liter		M	M	
300	Dissolved oxygen, water, unfiltered, milligrams per liter			8.7	
400	pH, water, unfiltered, field, standard units			8.8	8.9
403	pH, water, unfiltered, laboratory, standard units			8.8	9.0
405	Carbon dioxide, water, unfiltered, milligrams per liter			0.5	0.5
453	Bicarbonate, water, filtered, incremental titration, field, milligrams per liter			203	246
602	Total nitrogen, water, filtered, milligrams per liter			< 0.88	< 0.80
607	Organic nitrogen, water, filtered, milligrams per liter			0.79	0.75
608	Ammonia, water, filtered, milligrams per liter as nitrogen			0.073	0.012
613	Nitrite, water, filtered, milligrams per liter as nitrogen	1 (a)	< 0.001	< 0.001	
618	Nitrate, water, filtered, milligrams per liter as nitrogen		< 0.020	< 0.040	
623	Ammonia plus organic nitrogen, water, filtered, milligrams per liter as nitrogen			0.86	0.76
631	Nitrate plus nitrite, water, filtered, milligrams per liter as nitrogen			< 0.02	< 0.040
660	Orthophosphate, water, filtered, milligrams per liter			0.013	< 0.012
666	Phosphorus, water, filtered, milligrams per liter			0.02	0.02
671	Orthophosphate, water, filtered, milligrams per liter as phosphorus			0.004	< 0.004
900	Hardness, water, filtered, milligrams per liter as calcium carbonate			169	201
904	Noncarbon hardness, water filtered field, milligrams per liter as calcium carbonate				
905	Noncarbon hardness, water filtered lab, milligrams per liter as calcium carbonate				
915	Calcium, water, filtered, milligrams per liter			26.1	28.8
925	Magnesium, water, filtered, milligrams per liter			25.1	31.2
930	Sodium, water, filtered, milligrams per liter			128	165
931	Sodium adsorption ratio, water, number			4.31	5.06
932	Sodium fraction of cations, water, percent in equivalents of major cations			61	63
935	Potassium, water, filtered, milligrams per liter			8.57	10.7
940	Chloride, water, filtered, milligrams per liter			600	116
945	Sulfate, water, filtered, milligrams per liter			600	115
950	Fluoride, water, filtered, milligrams per liter			2 (b)	0.49
955	Silica, water, filtered, milligrams per liter			10.9	2.4
1000	Arsenic, water, filtered, micrograms per liter		10 (c)	2	1.8
1005	Barium, water, filtered, milligrams per liter		1000 (d)	41.2	35.4
1010	Beryllium, micrograms per liter		4 (e)		
1020	Boron, water, filtered, micrograms per liter			192	227
1025	Cadmium, micrograms per liter			5 (f)	
1030	Chromium, micrograms per liter			50 (g)	
1035	Cobalt, micrograms per liter				
1040	Copper, micrograms per liter			1000 (h)	
1046	Iron, water, filtered, micrograms per liter			300	5 < 3.2
1049	Lead, micrograms per liter				
1056	Manganese, water, filtered, micrograms per liter			50	1.2 0.54
1057	Thallium, micrograms per liter			2 (i)	
1060	Molybdenum, micrograms per liter			100 (j)	
1065	Nickel, micrograms per liter			100 (k)	
1075	Silver, micrograms per liter			254	315
1085	Strontium, water, filtered, micrograms per liter				
1090	Zinc, micrograms per liter			5000 (l)	

Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1M
Data Collected by USGS

Code	Parameter	MCL	8/20/2011	9/15/2012	3 Vail 1M
	Sampling date		6 (m)	3.7	7.2
1095	Antimony, micrograms per liter		1000 (m)	10	7.44
1106	Aluminum, water, filtered, micrograms per liter				
1130	Lithium, water, filtered, micrograms per liter				
1145	Selenium, micrograms per liter		50 (o)		
4022	Terbutylazine, water, filtered, recoverable, micrograms per liter				
4025	Hexazinone, water, filtered, recoverable, micrograms per liter				
4029	Bromacil, water, filtered, recoverable, micrograms per liter				
4035	Simazine, water, filtered, recoverable, micrograms per liter				
4036	Prometryn, water, filtered, recoverable, micrograms per liter				
4037	Prometon, water, filtered, recoverable, micrograms per liter				
4040	2-Chloro-4-isopropylaminos-triazine, water, filtered, recoverable, micrograms per liter				
4085	Fonofos, water, filtered, recoverable, micrograms per liter				
7000	Tritium, water, unfiltered, picocuries, per liter				
22703	Uranium, natural, micrograms per liter				
29801	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, labs, milligrams per liter as calcium carbonate		179	223	
30217	Dibromo methane, water, unfiltered, recoverable, micrograms per liter				
32101	Bromodichloromethane, water, unfiltered, recoverable, micrograms per liter				
32102	Tetrachloromethane, water, unfiltered, recoverable, micrograms per liter				
32103	1,2-Dichloroethane, water, unfiltered, recoverable, micrograms per liter				
32104	Tribromo methane, water, unfiltered, recoverable, micrograms per liter				
32105	Dibromo-chloromethane, water, unfiltered, recoverable, micrograms per liter				
32106	Trichloromethane, water, unfiltered, recoverable, micrograms per liter				
34010	Toluene, water, unfiltered, recoverable, micrograms per liter		150		
34030	Benzene, water, unfiltered, recoverable, micrograms per liter			1	
34215	Acrylonitrile, water, unfiltered, recoverable, micrograms per liter				
34221	Anthracene, water, filtered, recoverable, micrograms per liter				
34248	Benzolalpyrene, water, filtered, recoverable, micrograms per liter			0.2 (p)	
34288	Tribromomethane, water, filtered, recoverable, micrograms per liter				
34301	Chlorobenzene, water, unfiltered, recoverable, micrograms per liter				
34311	Chloroethane, water, unfiltered, recoverable, micrograms per liter				
34371	Ethylbenzene, water, unfiltered, recoverable, micrograms per liter				
34377	Fluoranthene, water, filtered, recoverable, micrograms per liter				
34396	Hexachloroethane, water, unfiltered, recoverable, micrograms per liter				
34409	Isophorone, water, filtered, recoverable, micrograms per liter				
34413	Bromomethane, water, unfiltered, recoverable, micrograms per liter				
34418	Chloromethane, water, unfiltered, recoverable, micrograms per liter				
34423	Dichloromethane, water, unfiltered, recoverable, micrograms per liter			5	
34443	Naphthalene, water, filtered, recoverable, micrograms per liter				
34462	Phenanthrene, water, filtered, recoverable, micrograms per liter				
34466	Phenol, water, filtered, recoverable, micrograms per liter				
34470	Pyrene, water, filtered, recoverable, micrograms per liter				
34475	Tetrachloroethene, water, unfiltered, recoverable, micrograms per liter			5	
34476	Tetrachloroethene, water, filtered, recoverable, micrograms per liter				
34488	Trichlorofluoromethane, water, unfiltered, recoverable, micrograms per liter				
34496	1,1-Dichloroethane, water, unfiltered, recoverable, micrograms per liter				
34501	1,1,1-Dichloroethene, water, unfiltered, recoverable, micrograms per liter				
34506	1,1,1-Trichloroethane, water, unfiltered, recoverable, micrograms per liter				
34511	1,1,2-Trichloroethane, water, unfiltered, recoverable, micrograms per liter				
34516	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter				
34536	1,2-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter				
34541	1,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter				
34546	trans-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter				
34551	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter				
34566	1,3-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter				
34571	1,4-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter				
34572	1,4-Dichlorobenzene, water, filtered, recoverable, micrograms per liter				

Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1M
Data Collected by USGS

Code	Parameter	MCL	8/20/2011	9/15/2012	3 Vail 1M
34668	Sampling date				
34696	Dichlorodifluoromethane, water, unfiltered, recoverable, micrograms per liter				
34699	Naphthalene, water, unfiltered, recoverable, micrograms per liter	0.5			
34704	trans-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5			
38454	cis-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter				
388775	Diclofophos, water, filtered, recoverable, micrograms per liter				
38933	Dichlorvos, water, filtered, recoverable, micrograms per liter				
39036	Chlorpyrifos, water, filtered, recoverable, micrograms per liter				
39086	Alkalinity, water, filtered, fixed endpoint, pH 4.5, titration, laboratory, milligrams per liter as calcium carbonate				
39175	Vinyl chloride, water, unfiltered, incremental titration, field, milligrams per liter as calcium carbonate	180	223		
39180	Trichloroethene, water, unfiltered, recoverable, micrograms per liter	0.5			
39381	Dieidrin, water, filtered, recoverable, micrograms per liter	5			
39415	Metolachlor, water, filtered, recoverable, micrograms per liter				
39532	Malaathion, water, filtered, recoverable, micrograms per liter				
39572	Diazinon, water, filtered, recoverable, micrograms per liter				
39632	Atrazine, water, filtered, recoverable, micrograms per liter				
39702	Hexachlorobutadiene, water, unfiltered, recoverable, micrograms per liter				
46342	Alachlor, water, filtered, recoverable, micrograms per liter				
49260	Acetochlor, water, filtered, recoverable, micrograms per liter				
49295	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
49933	C-14, water, filtered, percent modern				
49934	C-14, counting error, water, filtered, percent modern				
49991	Methyl acrylate, water, unfiltered, recoverable, micrograms per liter				
49999	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter				
50000	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter				
50002	Bromothene, water, unfiltered, recoverable, micrograms per liter				
50004	tert-Butyl ethyl ether, water, unfiltered, recoverable, micrograms per liter				
50005	Methyl tert-pentyl ether, water, unfiltered, recoverable, micrograms per liter				
50305	Caffeine, water, filtered, recoverable, micrograms per liter				
50359	Metakaxyl, water, filtered, recoverable, micrograms per liter				
61209	Perchlorate, water, unfiltered, recoverable, micrograms per liter	6			
61585	Cyfluthrin, water, filtered, recoverable, micrograms per liter				
61586	Cypermethrin, water, filtered, recoverable, micrograms per liter				
61591	Fenamiphos, water, filtered, recoverable, micrograms per liter				
61593	Iprodione, water, filtered, recoverable, micrograms per liter				
61594	Isotepiphos, water, filtered, recoverable, micrograms per liter				
61596	Metakaxyl, water, filtered, recoverable, micrograms per liter				
61598	Meithdathion, water, filtered, recoverable, micrograms per liter				
61599	Myclobutanil, water, filtered, recoverable, micrograms per liter				
61601	Phosmet, water, filtered, recoverable, micrograms per liter				
61610	Tribuphos, water, filtered, recoverable, micrograms per liter				
61618	2-Chloro-2,6-diethylacetanilide, water, filtered, recoverable, micrograms per liter				
61620	2-Ethyl-6-methylaniline, water, filtered, recoverable, micrograms per liter				
61623	3,4-Dichloroaniline, water, filtered, recoverable, micrograms per liter				
61633	4-Chloro-2-methylphenol, water, filtered, recoverable, micrograms per liter				
61635	Azinphos-methyl oxygen analog, water, filtered, recoverable, micrograms per liter				
61636	Chlorpyrifos oxygen analog, water, filtered, recoverable, micrograms per liter				
61644	Ethion monoxon, water, filtered, recoverable, micrograms per liter				
61645	Fenamiphos sulfone, water, filtered, recoverable, micrograms per liter				
61646	Fenamiphos sulfoxide, water, filtered, recoverable, micrograms per liter				
61652	Malaxolon, water, filtered, recoverable, micrograms per liter				
61664	Methyl paraxon, water, filtered, recoverable, micrograms per liter				
61666	Phorate oxygen analog, water, filtered, recoverable, micrograms per liter				
61668	Phosmet oxygen analog, water, filtered, recoverable, micrograms per liter				
61674	Terbufos oxygen analog, sulfone, water, filtered, recoverable, micrograms per liter				
61705	Diethoxyoctyphenol, water, filtered, recoverable, micrograms per liter				

**Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1M
Data Collected by USGS**

Code	Parameter	MCL	8/20/2011	9/15/2012	3 Vail 1M
61706	Sampling date				
62005	Monethoxyoctylphenol, water, filtered, recoverable, micrograms per liter				
62054	Coinine, water, filtered, recoverable, micrograms per liter				
1-Methylnaphthalene	1-Methylnaphthalene, water, filtered, recoverable, micrograms per liter				
62055	2,6-Dimethylnaphthalene, water, filtered, recoverable, micrograms per liter				
62056	2-Methylnaphthalene, water, filtered, recoverable, micrograms per liter				
62057	3-Methylnaphthalene, water, filtered, recoverable, micrograms per liter				
62058	3-beta-Coprosanol, water, filtered, recoverable, micrograms per liter				
62059	3-Methyl-1H-indole, water, filtered, recoverable, micrograms per liter				
62060	3-tert-Butyl-4-hydroxyanisole, water, filtered, recoverable, micrograms per liter				
62061	4-Cumylphenol, water, filtered, recoverable, micrograms per liter				
62062	4-Octylphenol, water, filtered, recoverable, micrograms per liter				
62063	5-Methyl-1H-benzotiazole, water, filtered, recoverable, micrograms per liter				
62064	Acetophenone, water, filtered, recoverable, micrograms per liter				
62065	Acetyl hexamethyl tetrahydro naphthalene, water, filtered, recoverable, micrograms per liter				
62066	9,10-Anthraquinone, water, filtered, recoverable, micrograms per liter				
62067	Benzophenone, water, filtered, recoverable, micrograms per liter				
62068	beta-Sitosterol, water, filtered, recoverable, micrograms per liter				
62070	Camphor, water, filtered, recoverable, micrograms per liter				
62071	Carbazole, water, filtered, recoverable, micrograms per liter				
62072	Cholesterol, water, filtered, recoverable, micrograms per liter				
62073	D-Limonene, water, filtered, recoverable, micrograms per liter				
62075	Hexahydrohexamethyl cyclopentabenzopyran, water, filtered, recoverable, micrograms per liter				
62076	Indole, water, filtered, recoverable, micrograms per liter				
62077	Isoborneol, water, filtered, recoverable, micrograms per liter				
62078	Isopropylbenzene, water, filtered, recoverable, micrograms per liter				
62079	Isoquinoline, water, filtered, recoverable, micrograms per liter				
62080	Menthol, water, filtered, recoverable, micrograms per liter				
62081	Methyl salicylate, water, filtered, recoverable, micrograms per liter				
62082	DEET, water, filtered, recoverable, micrograms per liter				
62083	Diethoxynonylphenol, water, filtered, recoverable, micrograms per liter				
62084	p-Cresol, water, filtered, recoverable, micrograms per liter				
62085	4-Nonylphenol, water, filtered, recoverable, micrograms per liter				
62086	beta-Stigmasterol, water, filtered, recoverable, micrograms per liter				
62087	Tris(2-chloroethyl) phosphate, water, filtered, recoverable, micrograms per liter				
62088	Tris(chloroisopropyl) phosphate, water, filtered, recoverable, micrograms per liter				
62089	Tributyl phosphate, water, filtered, recoverable, micrograms per liter				
62090	Tricosan, water, filtered, recoverable, micrograms per liter				
62091	Triethyl citrate, water, filtered, recoverable, micrograms per liter				
62092	Triphenyl phosphate, water, filtered, recoverable, micrograms per liter				
62093	Tris(2-butoxyethyl) phosphate, water, filtered, recoverable, micrograms per liter				
62166	Fipronil, water, filtered, recoverable, micrograms per liter				
62167	Fipronil sulfide, water, filtered, recoverable, micrograms per liter				
62168	Fipronil sulfone, water, filtered, recoverable, micrograms per liter				
62169	Desulfurylfipronil amide, water, filtered, recoverable, micrograms per liter				
62170	Desulfurylfipronil, water, filtered, recoverable, micrograms per liter				
62284	Total nitrogen, (NH ₃ +NO ₂ +NO ₃ +Organic), filtered, milligrams per liter	45 (q)	<0.089	<0.177	
63790	Perchlorate, water, filtered, recoverable, micrograms per liter		<0.003	<0.003	
70300	Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter	6	0.021	0.017	
70301	Residue, water, filtered, sum of constituents, milligrams per liter	1500	587	658	
70303	Residue, water, filtered, tons per acre-foot		539	641	
77846	Ammonia, water, filtered, milligrams per liter as NH ₄		0.094	0.016	
77851	Nitrate, water, filtered, milligrams per liter				
77856	Nitrite, water, filtered, milligrams per liter				
71865	Iodide, water, filtered, milligrams per liter				
71870	Bromide, water, filtered, milligrams per liter				
72019	Depth to water level, feet below land surface				

**Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1M
Data Collected by USGS**

Code	Parameter	MCL	8/20/2011	9/15/2012	3 Vail 1M
73547	Sampling date				
73570	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, micrograms per liter				
75985	Ethyl methacrylate, water, unfiltered, recoverable, micrograms per liter				
Rn-222	Tritium 2-sigma combined uncertainty, water, unfiltered, picocuries per liter				
76002	2-sigma combined uncertainty, water, unfiltered, picocuries per liter				
77041	Carbon disulfide, water, unfiltered, micrograms per liter				
77093	cis-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter	6			
77103	n-Butyl methyl ketone, water, unfiltered, recoverable, micrograms per liter				
77128	Silvrene, water, unfiltered, recoverable, micrograms per liter	100			
o-Xylene, water, unfiltered, recoverable, micrograms per liter					
77135	1,1-Dichloropropane, water, unfiltered, recoverable, micrograms per liter				
77168	2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter				
77170	2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter				
77173	1,3-Dichloropropane, water, unfiltered, recoverable, micrograms per liter				
77220	2-Ethyltoluene, water, unfiltered, recoverable, micrograms per liter				
77221	1,2,3-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter				
77222	1,2,4-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter				
77223	Isopropylbenzene, water, unfiltered, recoverable, micrograms per liter				
77224	n-Propylbenzene, water, unfiltered, recoverable, micrograms per liter				
77226	1,3,5-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter				
77275	2-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter				
77277	4-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter				
77297	Bromochloromethane, water, unfiltered, recoverable, micrograms per liter				
77342	n-Butylbenzene, water, unfiltered, recoverable, micrograms per liter				
77350	sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter				
77352	tet-Butylbenzene, water, unfiltered, recoverable, micrograms per liter				
77356	4-Isopropyltoluene, water, unfiltered, recoverable, micrograms per liter				
77424	Iodonmethane, water, unfiltered, recoverable, micrograms per liter				
77443	1,2,3-Trichloropropane, water, unfiltered, recoverable, micrograms per liter				
77562	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter				
77613	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter				
77651	1,2-Dibromoethane, water, unfiltered, recoverable, micrograms per liter	0.05			
77652	1,1,2-Trichloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, micrograms per liter				
78032	Methyl tert-butyl ether, water, unfiltered, recoverable, micrograms per liter				
78109	3-Chloropropene, water, unfiltered, recoverable, micrograms per liter				
78133	(Sobuly) methyl ketone, water, unfiltered, recoverable, micrograms per liter				
81552	Acetone, water, unfiltered, recoverable, micrograms per liter				
81555	Bromobenzene, water, unfiltered, recoverable, micrograms per liter				
81576	Diethyl ether, water, unfiltered, recoverable, micrograms per liter				
81577	Diisopropyl ether, water, unfiltered, recoverable, micrograms per liter				
81583	Methyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter				
81595	Ethyl methyl ketone, water, unfiltered, recoverable, micrograms per liter				
81597	Methyl methacrylate, water, unfiltered, recoverable, micrograms per liter				
81607	Tetrahydrofuran, water, unfiltered, recoverable, micrograms per liter				
82081	C-13C-12 ratio, water, unfiltered, per mil				
82082	Deuterium/Protium ratio, water, unfiltered, per mil				
82095	Oxygen-18/Oxygen-16 ratio, water, unfiltered, per mil				
82303	Rn-222, water, unfiltered, picocuries per liter				
82346	Ethion, water, filtered, recoverable, micrograms per liter				
82625	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, micrograms per liter				
82630	Meribusin, water, filtered, recoverable, micrograms per liter				
82660	2,6-Diethylamine, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82661	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82662	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82664	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82667	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82670	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82673	Bentfuralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				

**Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1M
Data Collected by USGS**

Code	Parameter	MCL	8/20/2011	9/15/2012	3 Vail 1M
Sampling date					
82675	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82676	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82680	Carbonyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82682	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82683	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82686	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82687	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
85795	m-Xylene plus p-Xylene, water, unfiltered, recoverable, micrograms per liter				
90095	Specific conductance, water, unfiltered, laboratory, microsiemens per centimeter at 25 degrees Celsius				
90851	Tricholomethanes, water, unfiltered, calc'd, micrograms per liter				
99583	Bisphenol A-d3, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery				
99584	Caffeine-13C, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery				
99585	Decafluorobiphenyl, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery				
99586	Fluoranthene-d10, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery				
99832	1,2-Dichloroethane-d4, surrogate, Schedule 2090, water, unfiltered, percent recovery				
99833	Toluene-d8, surrogate, Schedule 2090, water, unfiltered, percent recovery				
99834	1-Bromo-4-fluorobenzene, surrogate, VOC schedules, water, unfiltered, percent recovery				
99994	Diazinon-d10, surrogate, Schedule 2003, water, filtered, percent recovery				
99995	alpha-HCH-d6, surrogate, Schedule 2003, water, filtered, percent recovery				

Notes:

Station No. 3 Vail 1M located near upstream face of Vail Dam, sample depth one meter below water surface.
Total capacity, 49,370 acre feet, between elevations 1,352.5 feet, bottom of lowest outlet, and 1,470 feet, crest of spillway.

U.S. EPA STORET numbers for MCLs correspond to the same as the USGS NWIS data parameter number except as follows:

- (a) MCL shown for U.S. EPA STORET No. 620.
- (b) MCL shown for U.S. EPA STORET No. 951.
- (c) MCL shown for U.S. EPA STORET No. 1002.
- (d) MCL shown for U.S. EPA STORET No. 1007.
- (e) MCL shown for U.S. EPA STORET No. 1012.
- (f) MCL shown for U.S. EPA STORET No. 1027.
- (g) MCL shown for U.S. EPA STORET No. 1034.
- (h) MCL shown for U.S. EPA STORET No. 1042.
- (i) MCL shown for U.S. EPA STORET No. 1059.
- (j) MCL shown for U.S. EPA STORET No. 1067.
- (k) MCL shown for U.S. EPA STORET No. 1077.
- (l) MCL shown for U.S. EPA STORET No. 1092.
- (m) MCL shown for U.S. EPA STORET No. 1097.
- (n) MCL shown for U.S. EPA STORET No. 1105.
- (o) MCL shown for U.S. EPA STORET No. 1147.
- (p) MCL shown for U.S. EPA STORET No. 34247.
- (q) MCL shown for U.S. EPA STORET No. 71850.

Code--Data parameter number used in USGS National Water Information System (NWIS).

E--Estimated.

M--Presence verified but not quantified.

MCL--Maximum Contaminant Level reported by California DHS (May 25, 2007 Database) for U.S. EPA STORET number.

V--Biased results from contamination.

Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1 MAB
Data Collected by USGS

Code	Parameter	MCL	8/20/2011	9/15/2012	3 Vail 1MAB
	Sampling date		30,120	26,880	
	Reservoir Storage Content, acre feet		61.0%	54.4%	
	Reservoir Storage Content, percent full		1,449,64	1,445,37	
	Water Surface Elevation, feet above mean sea level		97.14	92.87	
	Water Surface Elevation, feet above bottom of lowest outlet		71.0	71.0	
3	Sampling depth, feet below water surface		15.5	23.8	
10	Temperature, water, degrees Celsius		80020	80020	
28	Agency analyzing sample, code				
59	Flow rate, instantaneous, gallons per minute				
95	Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius		1000	1080	
191	Hydrogen ion, water, unfiltered, calculated, milligrams per liter		0.00002	0.00003	
300	Dissolved oxygen, water, unfiltered, milligrams per liter			0.4	
400	pH, water, unfiltered, field, standard units			7.7	7.6
403	pH, water, unfiltered, laboratory, standard units			7.3	7.6
405	Carbon dioxide, water, unfiltered, milligrams per liter		9.2	15	
453	Bicarbonate, water, filtered, incremental titration, field, milligrams per liter		284	359	
602	Total nitrogen, water, filtered, milligrams per liter		<3.7	<6.0	
607	Organic nitrogen, water, filtered, milligrams per liter		0.81	0.81	
608	Ammonia, water, filtered, milligrams per liter as nitrogen		2.88	5.11	
613	Nitrite, water, filtered, milligrams per liter as nitrogen	1 (a)	<0.003	0.002	
618	Nitrate, water, filtered, milligrams per liter as nitrogen		<0.020	<0.038	
623	Ammonia plus organic nitrogen, water, filtered, milligrams per liter as nitrogen		3.7	5.9	
631	Nitrate plus nitrite, water, filtered, milligrams per liter as nitrogen		<0.02	<0.040	
660	Orthophosphate, water, filtered, milligrams per liter		1.5	2.41	
666	Phosphorus, water, filtered, milligrams per liter		0.49	0.78	
671	Orthophosphate, water, filtered, milligrams per liter as phosphorus		0.488	0.786	
900	Hardness, water, milligrams per liter as calcium carbonate		186	224	
904	Noncarb hardness, water filtered field, milligrams per liter as calcium carbonate				
905	Noncarb hardness, water, filtered lab, milligrams per liter as calcium carbonate				
915	Calcium, water, filtered, milligrams per liter		31.5	39.7	
925	Magnesium, water, filtered, milligrams per liter		26	30.1	
930	Sodium, water, filtered, milligrams per liter		132	154	
931	Sodium adsorption ratio, water, number		4.22	4.47	
932	Sodium fraction of cations, water, percent, in equivalents of major cations		59	59	
935	Potassium, water, filtered, milligrams per liter		9.46	10.2	
940	Chloride, water, filtered, milligrams per liter		600	117	124
945	Sulfate, water, filtered, milligrams per liter		600	105	95.5
950	Fluoride, water, filtered, milligrams per liter	2 (b)	0.48	0.53	
955	Silica, water, filtered, milligrams per liter		9.6	5.84	
1000	Arsenic, water, filtered, micrograms per liter	10 (c)	1.3	1.5	
1005	Barium, water, filtered, micrograms per liter	1000 (d)	58.6	96.6	
1010	Beryllium, micrograms per liter	4 (e)			
1020	Boron, water, filtered, micrograms per liter	2 (b)	183	220	
1025	Cadmium, micrograms per liter	5 (f)			
1030	Chromium, micrograms per liter	50 (g)			
1035	Cobalt, micrograms per liter	2 (i)			
1040	Copper, micrograms per liter	1000 (h)			
1046	Iron, water, filtered, micrograms per liter	300	28	15.6	
1049	Lead, micrograms per liter				
1056	Manganese, water, filtered, micrograms per liter	50	299	423	
1057	Thallium, micrograms per liter	2 (i)			
1060	Molybdenum, micrograms per liter	1000 (h)			
1065	Nickel, micrograms per liter	100 (i)			
1075	Silver, micrograms per liter	100 (k)			
1080	Stron튬, water, filtered, micrograms per liter	295	340		
1085	Vanadium, micrograms per liter	5000 (l)			
1090	Zinc, micrograms per liter				

Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1 MAB
Data Collected by USGS

Code	Parameter	MCL	8/20/2011	9/15/2012	3 Vail 1MAB
	Sampling date		6 (m)	<1.7	<2.2
1095	Antimony, micrograms per liter		1000 (m)	9	7.2
1106	Aluminum, water, filtered, micrograms per liter				
1130	Lithium, water, filtered, micrograms per liter				
1145	Selenium, micrograms per liter		50 (o)		
4022	Terbutylazine, water, filtered, recoverable, micrograms per liter				
4025	Hexazinone, water, filtered, recoverable, micrograms per liter				
4029	Bromacil, water, filtered, recoverable, micrograms per liter				
4035	Simazine, water, filtered, recoverable, micrograms per liter				
4036	Prometryn, water, filtered, recoverable, micrograms per liter				
4037	Prometon, water, filtered, recoverable, micrograms per liter				
4040	2-Chloro-4-isopropylamin-6-anilino-s-triazine, water, filtered, recoverable, micrograms per liter				
4085	Fonofos, water, filtered, recoverable, micrograms per liter				
7000	Tritium, water, unfiltered, picocuries, per liter				
22703	Uranium, natural, micrograms per liter				
29801	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, labs, milligrams per liter as calcium carbonate	210	276		
30217	Dibromo methane, water, unfiltered, recoverable, micrograms per liter				
32101	Bromodichloromethane, water, unfiltered, recoverable, micrograms per liter				
32102	Tetrachloromethane, water, unfiltered, recoverable, micrograms per liter	0.5			
32103	1,2-Dichloroethane, water, unfiltered, recoverable, micrograms per liter				
32104	Tribromo methane, water, unfiltered, recoverable, micrograms per liter				
32105	Dibromo-chloromethane, water, unfiltered, recoverable, micrograms per liter				
32106	Trichloromethane, water, unfiltered, recoverable, micrograms per liter				
34010	Toluene, water, unfiltered, recoverable, micrograms per liter	150			
34030	Benzene, water, unfiltered, recoverable, micrograms per liter		1		
34215	Acrylonitrile, water, unfiltered, recoverable, micrograms per liter				
34221	Anthracene, water, filtered, recoverable, micrograms per liter				
34248	Benzolalpyrene, water, filtered, recoverable, micrograms per liter	0.2 (p)			
34288	Tribromomethane, water, filtered, recoverable, micrograms per liter				
34301	Chlorobenzene, water, unfiltered, recoverable, micrograms per liter		70		
34311	Chloroethane, water, unfiltered, recoverable, micrograms per liter				
34371	Ethylbenzene, water, unfiltered, recoverable, micrograms per liter			300	
34377	Fluoranthene, water, filtered, recoverable, micrograms per liter				
34396	Hexachloroethane, water, unfiltered, recoverable, micrograms per liter				
34409	Isophorone, water, filtered, recoverable, micrograms per liter				
34413	Bromomethane, water, unfiltered, recoverable, micrograms per liter				
34418	Chloromethane, water, unfiltered, recoverable, micrograms per liter				
34423	Dichloromethane, water, unfiltered, recoverable, micrograms per liter		5		
34443	Naphthalene, water, filtered, recoverable, micrograms per liter				
34462	Phenanthrene, water, filtered, recoverable, micrograms per liter				
34466	Phenol, water, filtered, recoverable, micrograms per liter				
34470	Pyrene, water, filtered, recoverable, micrograms per liter		5		
34475	Tetrachloroethene, water, unfiltered, recoverable, micrograms per liter				
34476	Tetrachloroethene, water, filtered, recoverable, micrograms per liter				
34488	Trichlorofluoromethane, water, unfiltered, recoverable, micrograms per liter	150			
34496	1,1-Dichloroethane, water, unfiltered, recoverable, micrograms per liter				
34501	1,1,1-Dichloroethene, water, unfiltered, recoverable, micrograms per liter		5		
34506	1,1,1-Trichloroethane, water, unfiltered, recoverable, micrograms per liter		6		
34511	1,1,2-Trichloroethane, water, unfiltered, recoverable, micrograms per liter		200		
34516	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter		5		
34536	1,2-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter		1		
34541	1,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter		600		
34546	trans-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter		5		
34551	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter		10		
34566	1,3-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter		5		
34571	1,4-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter		5		
34572	1,4-Dichlorobenzene, water, filtered, recoverable, micrograms per liter				

Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1 MAB
Data Collected by USGS

Code	Parameter	MCL	3 Vail 1MAB
		8/20/2011	9/15/2012
34668	Sampling date		
34696	Dichlorodifluoromethane, water, unfiltered, recoverable, micrograms per liter		
34699	Naphthalene, water, unfiltered, recoverable, micrograms per liter	0.5	
34699	trans-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5	
34704	cis-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter		
38454	Diclofophos, water, filtered, recoverable, micrograms per liter		
388775	Dichlorvos, water, filtered, recoverable, micrograms per liter		
38933	Chlorpyrifos, water, filtered, recoverable, micrograms per liter		
39036	Alkalinity, water, filtered, fixed endpoint, pH 4.5, titration, laboratory, milligrams per liter as calcium carbonate		
39086	Vinyl chloride, water, unfiltered, incremental titration, field, milligrams per liter as calcium carbonate	234	296
39175	Diazinon, water, unfiltered, recoverable, micrograms per liter	0.5	
39180	Trichloroethene, water, unfiltered, recoverable, micrograms per liter	5	
39381	Dieidrin, water, filtered, recoverable, micrograms per liter		
39415	Metolachlor, water, filtered, recoverable, micrograms per liter		
39532	Malathion, water, filtered, recoverable, micrograms per liter		
39572	Diazinon, water, filtered, recoverable, micrograms per liter		
39632	Atrazine, water, filtered, recoverable, micrograms per liter		
39702	Hexachlorobutadiene, water, unfiltered, recoverable, micrograms per liter		
46342	Alachlor, water, filtered, recoverable, micrograms per liter		
49260	Acetochlor, water, filtered, recoverable, micrograms per liter		
49295	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		
49933	C-14, water, filtered, percent modern		
49934	C-14, counting error, water, filtered, percent modern		
49991	Methyl acrylate, water, unfiltered, recoverable, micrograms per liter		
49999	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter		
50000	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter		
50002	Bromoethene, water, unfiltered, recoverable, micrograms per liter		
50004	tert-Butyl ethyl ether, water, unfiltered, recoverable, micrograms per liter		
50005	Methyl tert-pentyl ether, water, unfiltered, recoverable, micrograms per liter		
50305	Caffeine, water, filtered, recoverable, micrograms per liter		
50359	Metakaxyl, water, filtered, recoverable, micrograms per liter		
61209	Perchlorate, water, unfiltered, recoverable, micrograms per liter	6	
61585	Cyfluthrin, water, filtered, recoverable, micrograms per liter		
61586	Cypermethrin, water, filtered, recoverable, micrograms per liter		
61591	Fenamiphos, water, filtered, recoverable, micrograms per liter		
61593	Iprodione, water, filtered, recoverable, micrograms per liter		
61594	Isotepiphos, water, filtered, recoverable, micrograms per liter		
61596	Metakaxyl, water, filtered, recoverable, micrograms per liter		
61598	Meithdathion, water, filtered, recoverable, micrograms per liter		
61599	Myclobutanil, water, filtered, recoverable, micrograms per liter		
61601	Phosmet, water, filtered, recoverable, micrograms per liter		
61610	Tribuphos, water, filtered, recoverable, micrograms per liter		
61618	2-Chloro-2,6-diethylacetanilide, water, filtered, recoverable, micrograms per liter		
61620	2-Ethyl-6-methylaniline, water, filtered, recoverable, micrograms per liter		
61623	3,4-Dichloroaniline, water, filtered, recoverable, micrograms per liter		
61633	4-Chloro-2-methylphenol, water, filtered, recoverable, micrograms per liter		
61635	Azinphos-methyl oxygen analog, water, filtered, recoverable, micrograms per liter		
61636	Chlorpyrifos oxygen analog, water, filtered, recoverable, micrograms per liter		
61644	Ethion monoxon, water, filtered, recoverable, micrograms per liter		
61645	Fenamiphos sulfone, water, filtered, recoverable, micrograms per liter		
61646	Fenamiphos sulfoxide, water, filtered, recoverable, micrograms per liter		
61652	Malaxolon, water, filtered, recoverable, micrograms per liter		
61664	Methyl paraxon, water, filtered, recoverable, micrograms per liter		
61666	Phorate, water, filtered, recoverable, micrograms per liter		
61668	Phosmet oxygen analog, water, filtered, recoverable, micrograms per liter		
61674	Terbufos, water, filtered, recoverable, micrograms per liter		
61705	Diethoxyoctyphenol, water, filtered, recoverable, micrograms per liter		

Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1 MAB
Data Collected by USGS

Code	Parameter	MCL	3 Vail	3 Vail 1MAB
		8/20/2011	9/15/2012	
61706	Sampling date			
62005	Monethoxyoctylphenol, water, filtered, recoverable, micrograms per liter			
62054	Coinine, water, filtered, recoverable, micrograms per liter			
62055	1-Methylnaphthalene, water, filtered, recoverable, micrograms per liter			
62056	2,6-Dimethylnaphthalene, water, filtered, recoverable, micrograms per liter			
62057	2-Methylnaphthalene, water, filtered, recoverable, micrograms per liter			
62058	3-beta-Coprosanol, water, filtered, recoverable, micrograms per liter			
62059	3-Methyl-1H-indole, water, filtered, recoverable, micrograms per liter			
62060	3-tert-Butyl-4-hydroxyanisole, water, filtered, recoverable, micrograms per liter			
62061	4-Cumylphenol, water, filtered, recoverable, micrograms per liter			
62062	4-Octylphenol, water, filtered, recoverable, micrograms per liter			
62063	5-Methyl-1H-benzotiazole, water, filtered, recoverable, micrograms per liter			
62064	Acetophenone, water, filtered, recoverable, micrograms per liter			
62065	Acetyl hexamethyl tetrahydro naphthalene, water, filtered, recoverable, micrograms per liter			
62066	9,10-Anthraquinone, water, filtered, recoverable, micrograms per liter			
62067	Benzophenone, water, filtered, recoverable, micrograms per liter			
62068	beta-Sitosterol, water, filtered, recoverable, micrograms per liter			
62070	Camphor, water, filtered, recoverable, micrograms per liter			
62071	Carbazole, water, filtered, recoverable, micrograms per liter			
62072	Cholesterol, water, filtered, recoverable, micrograms per liter			
62073	D-Limonene, water, filtered, recoverable, micrograms per liter			
62075	Hexahydrohexamethyl cyclopentabenzopyran, water, filtered, recoverable, micrograms per liter			
62076	Indole, water, filtered, recoverable, micrograms per liter			
62077	Isoborneol, water, filtered, recoverable, micrograms per liter			
62078	Isopropylbenzene, water, filtered, recoverable, micrograms per liter			
62079	Isoquinoline, water, filtered, recoverable, micrograms per liter			
62080	Menthol, water, filtered, recoverable, micrograms per liter			
62081	Methyl salicylate, water, filtered, recoverable, micrograms per liter			
62082	DEET, water, filtered, recoverable, micrograms per liter			
62083	Diethoxynonylphenol, water, filtered, recoverable, micrograms per liter			
62084	p-Cresol, water, filtered, recoverable, micrograms per liter			
62085	4-Nonylphenol, water, filtered, recoverable, micrograms per liter			
62086	beta-Stigmasterol, water, filtered, recoverable, micrograms per liter			
62087	Tris(2-chloroethyl) phosphate, water, filtered, recoverable, micrograms per liter			
62088	Tris(dichloroisopropyl) phosphate, water, filtered, recoverable, micrograms per liter			
62089	Tributyl phosphate, water, filtered, recoverable, micrograms per liter			
62090	Tricosan, water, filtered, recoverable, micrograms per liter			
62091	Triethyl citrate, water, filtered, recoverable, micrograms per liter			
62092	Triphenyl phosphate, water, filtered, recoverable, micrograms per liter			
62093	Tris(2-butoxyethyl) phosphate, water, filtered, recoverable, micrograms per liter			
62166	Fipronil, water, filtered, recoverable, micrograms per liter			
62167	Fipronil sulfide, water, filtered, recoverable, micrograms per liter			
62168	Fipronil sulfone, water, filtered, recoverable, micrograms per liter			
62169	Desulfurylfipronil amide, water, filtered, recoverable, micrograms per liter			
62170	Desulfurylfipronil, water, filtered, recoverable, micrograms per liter			
62284	Total nitrogen, (NH ₃ +NO ₂ +NO ₃ +Organic), filtered, milligrams per liter	45 (q)	< 0.089	< 0.17
63790	Perchlorate, water, filtered, recoverable, micrograms per liter		< 0.010	0.005
70300	Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter	6	0.025	0.03
70301	Residue, water, filtered, sum of constituents, milligrams per liter	1500	600	629
70303	Residue, water, filtered, tons per acre-foot		578	647
77846	Ammonia, water, filtered, milligrams per liter as NH ₄		3.71	6.58
77851	Nitrate, water, filtered, milligrams per liter			
77856	Nitrite, water, filtered, milligrams per liter			
71865	Iodide, water, filtered, milligrams per liter			
71870	Bromide, water, filtered, milligrams per liter			
72019	Depth to water level, feet below land surface			

**Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1 MAB
Data Collected by USGS**

Code	Parameter	MCL	8/20/2011	9/15/2012	3 Vail 1MAB
	Sampling date				
73547	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, micrograms per liter				
73570	Ethyl methacrylate, water, unfiltered, recoverable, micrograms per liter				
75985	Tritium 2-sigma combined uncertainty, water, unfiltered, picocuries per liter				
76002	Rn-222, 2-sigma combined uncertainty, water, unfiltered, picocuries per liter				
77041	Carbon disulfide, water, unfiltered, micrograms per liter				
77093	cis-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter	6			
77103	n-Butyl methyl ketone, water, unfiltered, recoverable, micrograms per liter				
77128	Silvrene, water, unfiltered, recoverable, micrograms per liter	100			
o-Xylene, water, unfiltered, recoverable, micrograms per liter					
77135	1,1-Dichloropropane, water, unfiltered, recoverable, micrograms per liter				
77168	2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter				
77170	2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter				
77173	1,3-Dichloropropane, water, unfiltered, recoverable, micrograms per liter				
77220	2-Ethyltoluene, water, unfiltered, recoverable, micrograms per liter				
77221	1,2,3-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter				
77222	1,2,4-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter				
77223	Isopropylbenzene, water, unfiltered, recoverable, micrograms per liter				
77224	n-Propylbenzene, water, unfiltered, recoverable, micrograms per liter				
77226	1,3,5-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter				
77275	2-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter				
77277	4-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter				
77297	Bromochloromethane, water, unfiltered, recoverable, micrograms per liter				
77342	n-Butylbenzene, water, unfiltered, recoverable, micrograms per liter				
77350	sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter				
77352	tet-Butylbenzene, water, unfiltered, recoverable, micrograms per liter				
77353	2-Isopropyltoluene, water, unfiltered, recoverable, micrograms per liter				
77356	Iodonmethane, water, unfiltered, recoverable, micrograms per liter				
77424	1,2,3-Trichloropropane, water, unfiltered, recoverable, micrograms per liter				
77443	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter				
77562	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter				
77613	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter	0.05			
77651	1,2-Dibromoethane, water, unfiltered, recoverable, micrograms per liter				
77652	1,1,2-Trichloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, micrograms per liter				
78032	Methyl tert-butyl ether, water, unfiltered, recoverable, micrograms per liter				
78109	3-Chloropropene, water, unfiltered, recoverable, micrograms per liter				
78133	(Sobuly) methyl ketone, water, unfiltered, recoverable, micrograms per liter				
81552	Acetone, water, unfiltered, recoverable, micrograms per liter				
81555	Bromobenzene, water, unfiltered, recoverable, micrograms per liter				
81576	Diethyl ether, water, unfiltered, recoverable, micrograms per liter				
81577	Diisopropyl ether, water, unfiltered, recoverable, micrograms per liter				
81583	Methyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter				
81595	Ethyl methyl ketone, water, unfiltered, recoverable, micrograms per liter				
81597	Methyl methacrylate, water, unfiltered, recoverable, micrograms per liter				
81607	Tetrahydrofuran, water, unfiltered, recoverable, micrograms per liter				
82081	C-13C-12 ratio, water, unfiltered, per mil				
82082	Deuterium/Protium ratio, water, unfiltered, per mil				
82095	Oxygen-18/Oxygen-16 ratio, water, unfiltered, per mil				
82303	Rn-222, water, unfiltered, picocuries per liter				
82346	Ethion, water, filtered, recoverable, micrograms per liter				
82625	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, micrograms per liter				
82630	Meribuzin, water, filtered, recoverable, micrograms per liter				
82660	2,6-Diethylamine, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82661	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82662	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82664	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82667	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82670	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82673	Bentfuralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				

Water Quality Data for Vail Lake (USGS Station No. 11042510)
RCWD Water Quality Sampling Station No. 3 Vail 1 MAB
Data Collected by USGS

Code	Parameter	MCL	8/20/2011	9/15/2012	3 Vail 1MAB
	Sampling date				
82675	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82676	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82680	Carbonyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82682	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82683	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82686	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82687	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
85795	m-Xylene plus p-Xylene, water, unfiltered, recoverable, micrograms per liter				
90095	Specific conductance, water, unfiltered, laboratory, microsiemens per centimeter at 25 degrees Celsius				
90851	Tricholomatales, water, unfiltered, calc'd, micrograms per liter				
99583	Bisphenol A-d3, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery				
99584	Caffeine-13C, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery				
99585	Decafluorobiphenyl, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery				
99586	Fluoranthene-d10, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery				
99832	1,2-Dichloroethane-d4, surrogate, Schedule 2090, water, unfiltered, percent recovery				
99833	Toluene-d8, surrogate, Schedule 2090, water, unfiltered, percent recovery				
99834	1-Bromo-4-fluorobenzene, surrogate, VOC schedules, water, unfiltered, percent recovery				
99994	Diazinon-d10, surrogate, Schedule 2003, water, filtered, percent recovery				
99995	alpha-HCH-d6, surrogate, Schedule 2003, water, filtered, percent recovery				

Notes:

Station No. 3 Vail 1MAB located near upstream face of Vail Dam, sample depth one meter above reservoir bottom. Total capacity, 49,370 acre feet, between elevations 1,352.5 feet, bottom of lowest outlet, and 1,470 feet, crest of spillway.

U.S. EPA STORET numbers for MCLs correspond to the same as the USGS NWIS data parameter number except as follows:

- (a) MCL shown for U.S. EPA STORET No. 620.
- (b) MCL shown for U.S. EPA STORET No. 951.
- (c) MCL shown for U.S. EPA STORET No. 1002.
- (d) MCL shown for U.S. EPA STORET No. 1007.
- (e) MCL shown for U.S. EPA STORET No. 1012.
- (f) MCL shown for U.S. EPA STORET No. 1027.
- (g) MCL shown for U.S. EPA STORET No. 1034.
- (h) MCL shown for U.S. EPA STORET No. 1042.
- (i) MCL shown for U.S. EPA STORET No. 1059.
- (j) MCL shown for U.S. EPA STORET No. 1067.
- (k) MCL shown for U.S. EPA STORET No. 1077.
- (l) MCL shown for U.S. EPA STORET No. 1092.
- (m) MCL shown for U.S. EPA STORET No. 1097.
- (n) MCL shown for U.S. EPA STORET No. 1105.
- (o) MCL shown for U.S. EPA STORET No. 1147.
- (p) MCL shown for U.S. EPA STORET No. 34247.
- (q) MCL shown for U.S. EPA STORET No. 71850.

Code--Data parameter number used in USGS National Water Information System (NWIS).

E--Estimated.

M--Presence verified but not quantified.

MCL--Maximum Contaminant Level reported by California DHS (May 25, 2007 Database) for U.S. EPA STORET number.

V--Biased results from contamination.

ANNUAL REPORT

**COOPERATIVE WATER RESOURCE
MANAGEMENT AGREEMENT**

CALENDAR YEAR 2015

APPENDIX E

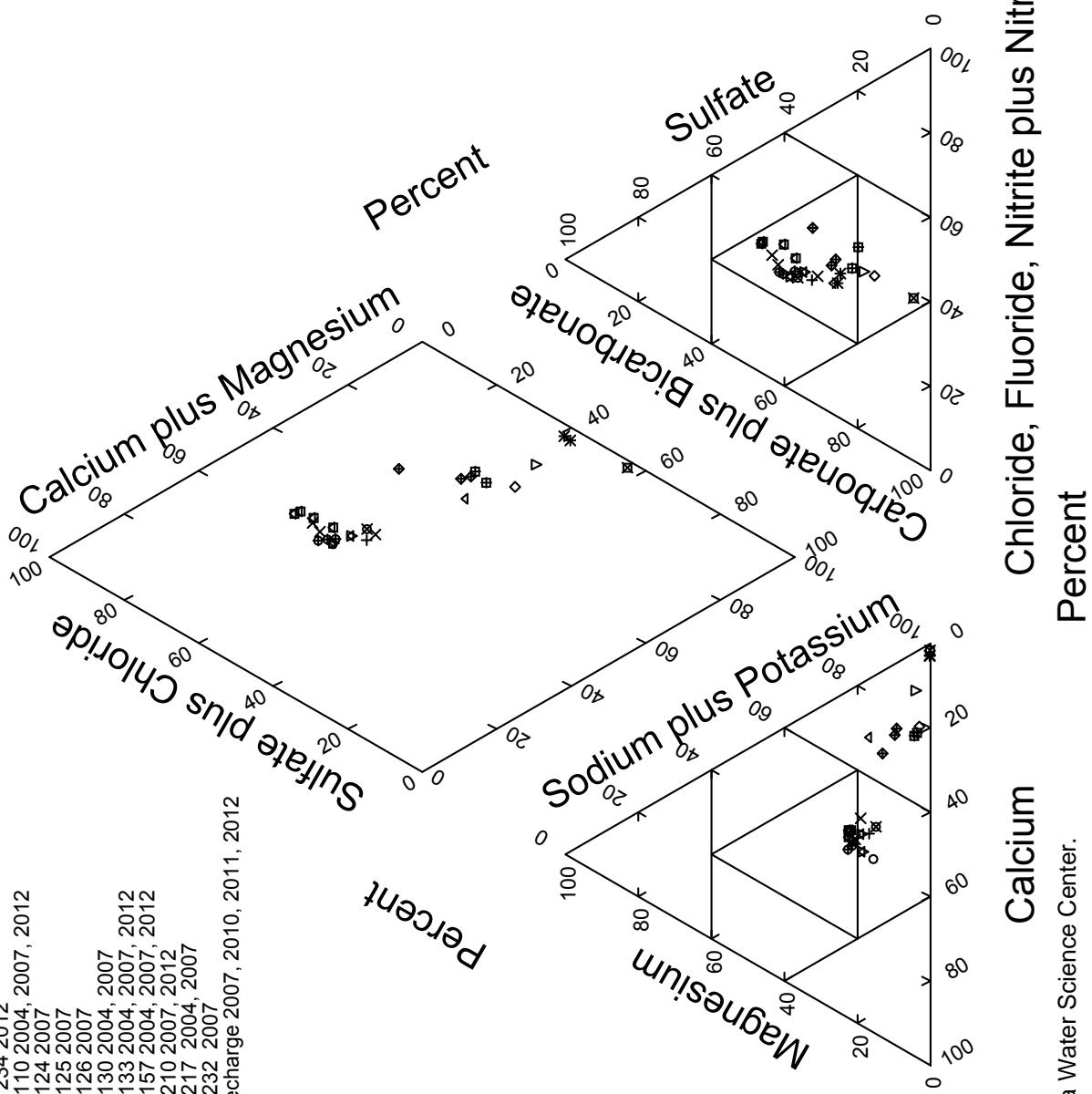
**WATER QUALITY DATA FOR
SELECTED RCWD PRODUCTION WELLS**

Tri-Linear Diagram RCWD Production Wells

Explanation

RCWD 109 2012
 RCWD 203 2012
 RCWD 234 2012
 RCWD 110 2004, 2007, 2012
 RCWD 124 2007
 RCWD 125 2007
 RCWD 126 2007
 RCWD 130 2004, 2007
 RCWD 133 2004, 2007, 2012
 RCWD 157 2004, 2007, 2012
 RCWD 210 2007, 2012
 RCWD 217 2004, 2007
 RCWD 232 2007
 VDC Recharge 2007, 2010, 2011, 2012

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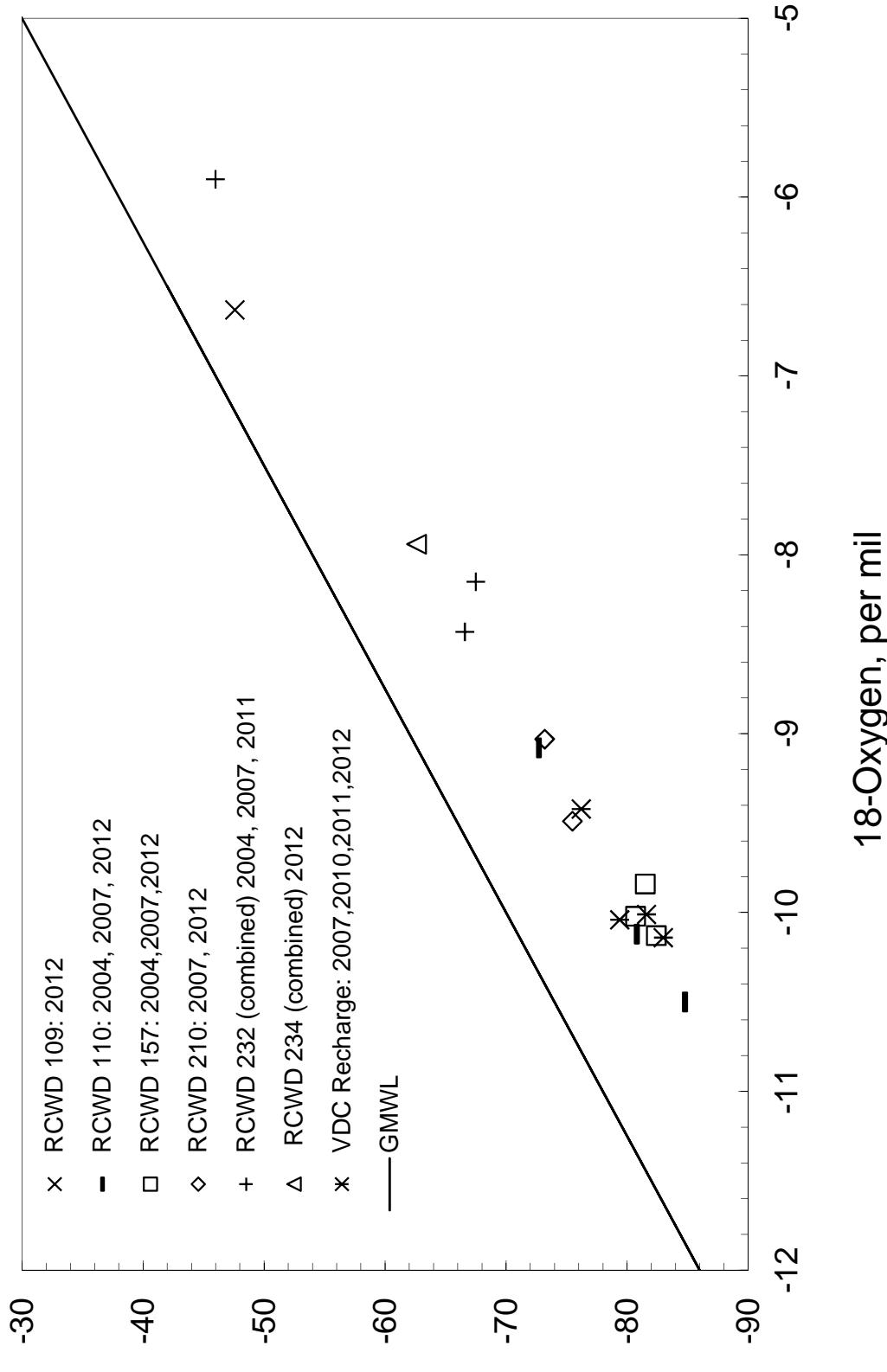


Source: USGS California Water Science Center.

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Stable Isotope Diagram

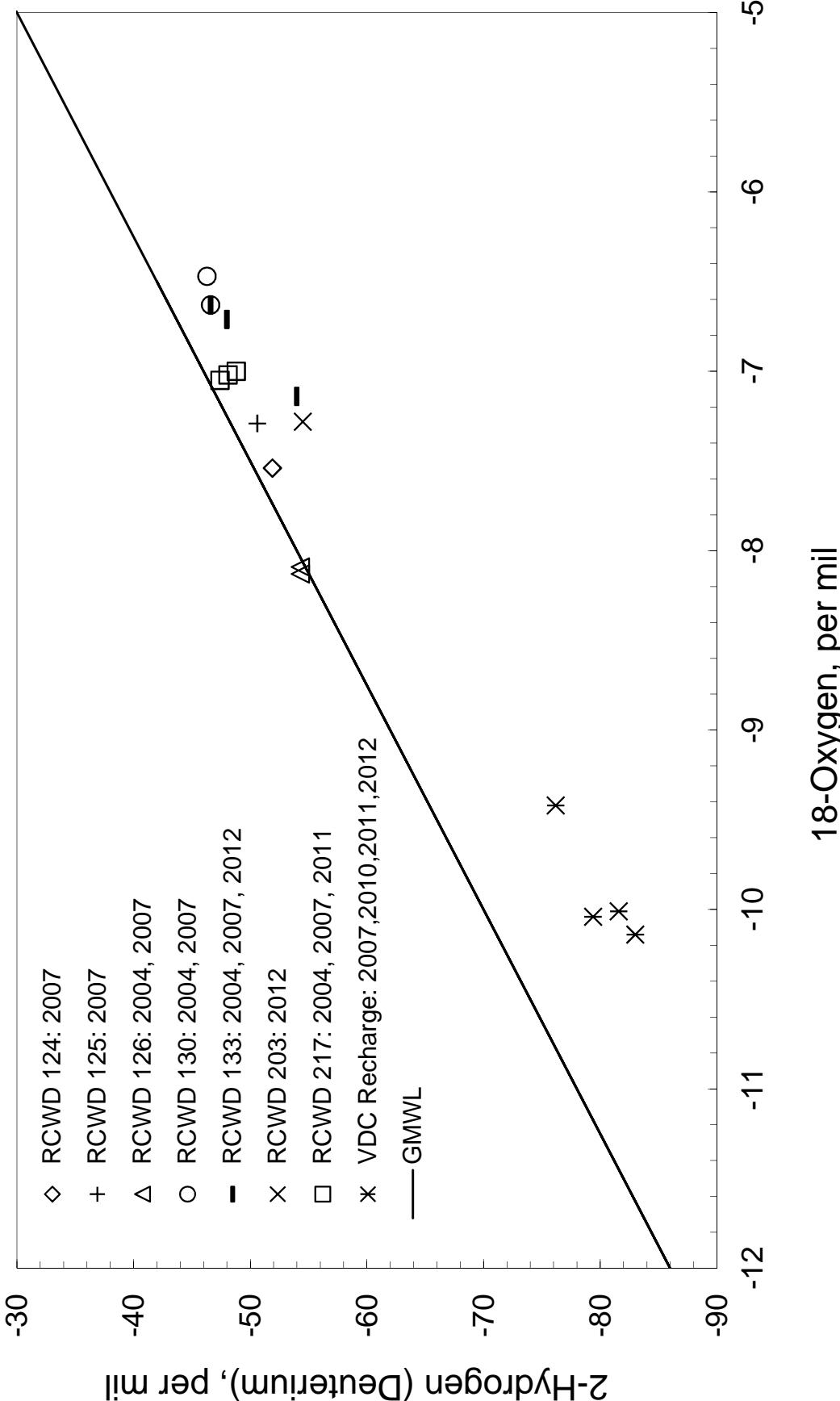
Pauba Valley Production Wells Completed in Pauba Aquifer



Source: USGS California Water Science Center.

Stable Isotope Diagram

Pauba Valley Production Wells Completed in Temecula Aquifer



Source: USGS California Water Science Center.

Water Quality Data for Selected RCWD Production Wells
Well Nos. 110, 126, 130, and 133
2004

Code	Parameter	MCL	No. 110 6/15/2004	No. 126 5/27/2004	No. 130 6/14/2004	No. 133 5/20/2004
Sampling date						
3 Sampling depth, feet						
10 Temperature, water, degrees Celsius			20.2		22	21
28 Agency analyzing sample, code		80020	80020	80020	80020	80020
59 Flow rate, instantaneous, gallons per minute						
95 Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius			845	510	807	818
191 Hydrogen ion, water, unfiltered, calculated, milligrams per liter			0.00003		M	0.00001
300 Dissolved oxygen, water, unfiltered, milligrams per liter			4.5		2.3	2.1
400 pH, water, unfiltered, field, standard units			7.5		8.9	7.9
403 pH, water, unfiltered, laboratory, standard units						
405 Carbon dioxide, water, filtered, incremental titration, field, milligrams per liter						
453 Bicarbonate, water, filtered, incremental titration, field, milligrams per liter						
602 Total nitrogen, water, filtered, milligrams per liter						
607 Organic nitrogen, water, filtered, milligrams per liter			< 0.03		< 0.03	< 0.02
608 Ammonia, water, filtered, milligrams per liter, as nitrogen			< 0.04		< 0.04	< 0.04
613 Nitrite, water, filtered, milligrams per liter, as nitrogen			1 (a)	< 0.008	< 0.008	< 0.008
618 Nitrate, water, filtered, milligrams per liter, as nitrogen				0.502	1.28	0.519
623 Ammonia plus organic nitrogen, water, filtered, milligrams per liter, as nitrogen						
631 Nitrate plus nitrite, water, filtered, milligrams per liter, as nitrogen			0.5		1.28	0.52
660 Orthophosphate, water, filtered, milligrams per liter			0.224		0.04	0.031
666 Phosphorus, water, filtered, milligrams per liter						
671 Orthophosphate, water, filtered, milligrams per liter, as phosphorus						
900 Hardness, water, milligrams per liter, as calcium carbonate			0.073		0.013	0.01
904 Nitrile hardness, water, filtered, field, milligrams per liter, as calcium carbonate			243		11.3	10.2
905 Nitrile hardness, water, filtered, lab, milligrams per liter, as calcium carbonate			130			
915 Calcium, water, filtered, milligrams per liter						
925 Magnesium, water, filtered, milligrams per liter			61.9		4.17	25.6
930 Sodium, water, filtered, milligrams per liter			21.4		0.195	9.08
931 Sodium adsorption ratio, water, number			81.7		172	127
932 Sodium fraction of cations, water, percent in equivalents of major cations						
935 Potassium, water, filtered, milligrams per liter			5.32		0.9	2.33
940 Chloride, water, filtered, milligrams per liter			600	80.5	84.8	98.8
945 Sulfate, water, filtered, milligrams per liter			600	165	87.1	96.6
950 Fluoride, water, filtered, milligrams per liter			2 (b)	0.5	0.59	1
955 Silica, water, filtered, milligrams per liter				20.1	14.3	22.2
1000 Arsenic, water, filtered, micrograms per liter			10 (c)	0.9	0.9	3.1
1005 Barium, water, filtered, micrograms per liter			1000 (d)	33.9	2.95	52.6
1010 Beryllium, micrograms per liter			4 (e)	< 0.06	< 0.06	< 0.06
1020 Boron, water, filtered, micrograms per liter			105		< 8	726
1025 Cadmium, micrograms per liter				5 (f)	< 0.04	0.051
1030 Chromium, micrograms per liter			50 (g)	< 0.8	1	E 0.6
1035 Cobalt, micrograms per liter				2 (i)	< 0.04	< 0.04
1040 Copper, micrograms per liter				1000 (h)	0.027	0.036
1046 Iron, water, filtered, micrograms per liter			300	< 6.4	E 3.7	< 6.4
1049 Lead, micrograms per liter				0.118	< 0.8	0.146
1056 Manganese, water, filtered, micrograms per liter			50	< 0.2	< 0.2	< 0.2
1057 Thallium, micrograms per liter				2 (j)	< 0.04	< 0.04
1060 Molybdenum, micrograms per liter				7.96	1.65	4.58
1065 Nickel, micrograms per liter				100 (l)	0.4	0.33
1075 Silver, micrograms per liter				100 (k)	< 0.2	< 0.2
1080 Strontium, water, filtered, micrograms per liter				343	38.8	36
1085 Vanadium, micrograms per liter					V 0.3	43.4
1090 Zinc, micrograms per liter				5000 (l)	2.2	1.1
1095 Antimony, micrograms per liter			6 (m)	< 0.2	< 0.2	< 0.2

Water Quality Data for Selected RCWD Production Wells
Well Nos. 110, 126, 130, and 133
2004

Code	Parameter	MCL	No. 110 6/15/2004	No. 126 5/27/2004	No. 130 6/14/2004	No. 133 5/20/2004
	Sampling date		1000 (n)	<1.6	2.9	3.8
1106	Aluminum, water, filtered, micrograms per liter		3.52	0.62	4.09	
1130	Lithium, water, filtered, micrograms per liter		1.1	E 0.3		1
1145	Selenium, micrograms per liter		50 (o)	<0.01	<0.01	<0.01
4022	Terbutylazine, water, filtered, recoverable, micrograms per liter			<0.013	<0.013	<0.013
4025	Hexazinone, water, filtered, recoverable, micrograms per liter			<0.03	<0.03	<0.03
4029	Bromacil, water, filtered, recoverable, micrograms per liter			E 0.007	<0.005	0.006
4035	Simazine, water, filtered, recoverable, micrograms per liter			<0.005	<0.005	<0.005
4036	Prometryn, water, filtered, recoverable, micrograms per liter			<0.005	<0.005	<0.005
4037	Prometon, water, filtered, recoverable, micrograms per liter			<0.005	<0.005	<0.005
4040	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, micrograms per liter			E 0.006	<0.006	<0.006
4095	Fonofos, water, filtered, recoverable, micrograms per liter			<0.003	<0.003	<0.003
7000	Tritium, water, unfiltered, picocuries per liter			21.8	2.2	3.5
22703	Uranium, natural, micrograms per liter		1.09	0.245	3.56	
29801	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, laboratory, milligrams per liter as calcium carbonate			<0.05	<0.05	<0.05
30217	Dibromomethane, water, unfiltered, recoverable, micrograms per liter			0.13	<0.028	E 0.088
32101	Bromodichloromethane, water, unfiltered, recoverable, micrograms per liter		0.5	<0.06	<0.06	<0.06
32102	Tetrachloromethane, water, unfiltered, recoverable, micrograms per liter			<0.13	<0.13	<0.13
32103	1,2-Dichloroethane, water, unfiltered, recoverable, micrograms per liter			<0.1	<0.1	<0.1
32104	Tribromomethane, water, unfiltered, recoverable, micrograms per liter			<0.1	<0.1	<0.1
32105	Dibromoethane, water, unfiltered, recoverable, micrograms per liter			<0.1	<0.1	<0.1
32106	Trichloromethane, water, unfiltered, recoverable, micrograms per liter			0.48	<0.02	E 0.02
34010	Toluene, water, unfiltered, recoverable, micrograms per liter		150	<0.05	<0.05	E 0.01
34030	Benzene, water, unfiltered, recoverable, micrograms per liter		1	<0.021	<0.021	<0.021
34215	Acrylonitrile, water, unfiltered, recoverable, micrograms per liter			<1.2	<1.2	<1.2
34221	Anthracene, water, filtered, recoverable, micrograms per liter			<0.05	<0.05	<0.05
34248	Benzofalpyrene, water, filtered, recoverable, micrograms per liter		0.2 (p)	<0.05	<0.05	<0.05
34288	Tribromomethane, water, filtered, recoverable, micrograms per liter			<0.05	<0.05	<0.05
34301	Chlorobenzene, water, unfiltered, recoverable, micrograms per liter		70	<0.028	<0.028	<0.028
34315	Chloroethane, water, unfiltered, recoverable, micrograms per liter			<0.12	<0.12	<0.12
34371	Ethylbenzene, water, unfiltered, recoverable, micrograms per liter		300	<0.03	<0.03	<0.03
34377	Fluoranthene, water, filtered, recoverable, micrograms per liter			<0.05	<0.05	<0.05
34396	Naphthalene, water, unfiltered, recoverable, micrograms per liter			<0.14	<0.14	<0.14
34409	Isophorone, water, filtered, recoverable, micrograms per liter			<0.05	<0.05	<0.05
34413	Bromomethane, water, unfiltered, recoverable, micrograms per liter			<0.3	<0.3	<0.3
34418	Chloromethane, water, unfiltered, recoverable, micrograms per liter			<0.2	<0.2	<0.2
34423	Dichloromethane, water, unfiltered, recoverable, micrograms per liter		5	<0.06	<0.06	<0.06
34443	Naphthalene, water, filtered, recoverable, micrograms per liter			<0.05	<0.05	<0.05
34462	Phenanthrene, water, filtered, recoverable, micrograms per liter			<0.05	<0.05	<0.05
34466	Phenol, water, filtered, recoverable, micrograms per liter			V 0.28	V 0.27	V 0.27
34470	Pyrene, water, filtered, recoverable, micrograms per liter			<0.05	<0.05	<0.05
34475	Tetrachloroethene, water, unfiltered, recoverable, micrograms per liter		5	<0.06	<0.06	<0.06
34476	Tetrachloroethene, water, filtered, recoverable, micrograms per liter			E 0.03	<0.05	<0.05
34488	Trichlorofluoromethane, water, unfiltered, recoverable, micrograms per liter		150	<0.16	<0.16	<0.16
34496	1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter		5	<0.035	<0.035	<0.035
34501	1,1-Dichloroethene, water, unfiltered, recoverable, micrograms per liter		6	<0.024	<0.024	<0.024
34506	1,1,1-Trichloroethane, water, unfiltered, recoverable, micrograms per liter		200	<0.032	<0.032	<0.032
34511	1,1,2-Trichloroethane, water, unfiltered, recoverable, micrograms per liter		5	<0.064	<0.064	<0.064
34516	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter		1	<0.16	<0.16	<0.16
34536	1,2-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter		600	<0.048	<0.048	<0.048
34541	1,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter		5	<0.029	<0.029	<0.029
34546	trans-1,2-Dichloroethylene, water, unfiltered, recoverable, micrograms per liter		10	<0.032	<0.032	<0.032
34551	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter		5	<0.12	<0.12	<0.12
34566	1,3-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter			<0.03	<0.03	<0.03

Water Quality Data for Selected RCWD Production Wells
Well Nos. 110, 126, 130, and 133
2004

Code	Parameter	MCL	No. 110 6/15/2004	No. 126 5/27/2004	No. 130 6/14/2004	No. 133 5/20/2004
	Sampling date		5	< 0.034	< 0.034	< 0.034
34571	1,4-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter		< 0.05	< 0.05	< 0.05	< 0.05
34572	1,4-Dichlorobenzene, water, filtered, recoverable, micrograms per liter		< 0.18	< 0.18	< 0.18	< 0.18
34668	Dichlorodifluoromethane, water, unfiltered, recoverable, micrograms per liter		< 0.52	< 0.52	< 0.52	< 0.52
34696	Naphthalene, water, unfiltered, recoverable, micrograms per liter		< 0.09	< 0.09	< 0.09	< 0.09
34699	cis-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5	< 0.05	< 0.05	< 0.05	< 0.05
34704	cis-1,3-Dichloropropene, water, filtered, recoverable, micrograms per liter	0.5	< 0.05	< 0.05	< 0.05	< 0.05
38454	Diclofophos, water, filtered, recoverable, micrograms per liter		< 0.08	< 0.08	< 0.08	< 0.08
38775	Dichlorvos, water, filtered, recoverable, micrograms per liter		< 0.01	< 0.01	< 0.01	< 0.01
38933	Chlorpyrifos, water, filtered, recoverable, micrograms per liter		< 0.005	< 0.005	< 0.005	< 0.005
39082	Alkalinity, water, filtered, incremental titration, field, milligrams per liter as calcium carbonate		0.5	< 0.06	< 0.06	< 0.06
39175	Vinyl chloride, water, unfiltered, recoverable, micrograms per liter	5	< 0.038	< 0.038	< 0.038	< 0.038
39180	Trichloroethene, water, unfiltered, recoverable, micrograms per liter		< 0.009	< 0.009	< 0.009	< 0.009
39381	Dieldrin, water, filtered, recoverable, micrograms per liter		< 0.013	< 0.013	< 0.013	< 0.013
39415	Metachlor, water, filtered, recoverable, micrograms per liter		< 0.027	< 0.027	< 0.027	< 0.027
39532	Methathion, water, filtered, recoverable, micrograms per liter		< 0.005	< 0.005	< 0.005	< 0.005
39572	Diazinon, water, filtered, recoverable, micrograms per liter		< 0.007	< 0.007	< 0.007	< 0.007
39632	Atrazine, water, filtered, recoverable, micrograms per liter		< 0.14	< 0.14	< 0.14	< 0.14
39702	Hexachlorobutadiene, water, unfiltered, recoverable, micrograms per liter		< 0.005	< 0.005	< 0.005	< 0.005
46342	Alachlor, water, filtered, recoverable, micrograms per liter		< 0.006	< 0.006	< 0.006	< 0.006
49260	Acetochlor, water, filtered, recoverable, micrograms per liter		< 0.0882	< 0.0882	< 0.0882	< 0.0882
49295	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		92.4	75.42	69.67	
49933	C-14, water, filtered, percent modern		< 2	< 2	< 2	< 2
49934	C-14, counting error, water, filtered, percent modern		< 0.14	< 0.14	< 0.14	< 0.14
49991	Methyl acrylate, water, unfiltered, recoverable, micrograms per liter		< 0.14	< 0.14	< 0.14	< 0.14
49999	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.14	< 0.14	< 0.14	< 0.14
50000	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.1	< 0.1	< 0.1	< 0.1
50002	Bromoethene, water, unfiltered, recoverable, micrograms per liter		< 0.05	< 0.05	< 0.05	< 0.05
50004	tert-Butyl ethyl ether, water, unfiltered, recoverable, micrograms per liter		< 0.08	< 0.08	< 0.08	< 0.08
50005	Methyl tert-pentyl ether, water, unfiltered, recoverable, micrograms per liter		< 0.1	< 0.1	< 0.1	< 0.1
50305	Caffeine, water, filtered, recoverable, micrograms per liter		< 0.02	< 0.02	< 0.02	< 0.02
50359	Metalaxyl, water, filtered, recoverable, micrograms per liter	6	2.2	0.49	0.49	< 0.25
61209	Perchlorate, water, unfiltered, recoverable, micrograms per liter		< 0.008	< 0.008	< 0.008	< 0.008
61585	Cyfluthrin, water, filtered, recoverable, micrograms per liter		< 0.009	< 0.009	< 0.009	< 0.009
61586	Cypermethrin, water, filtered, recoverable, micrograms per liter		< 0.029	< 0.029	< 0.029	< 0.029
61591	Fenamiphos, water, filtered, recoverable, micrograms per liter		< 1.42	< 1.42	< 1.42	< 1.42
61593	Iprodione, water, filtered, recoverable, micrograms per liter		< 0.003	< 0.003	< 0.003	< 0.003
61594	Isofenphos, water, filtered, recoverable, micrograms per liter		< 0.006	< 0.006	< 0.006	< 0.006
61596	Metalaxyl, water, filtered, recoverable, micrograms per liter		< 0.008	< 0.008	< 0.008	< 0.008
61598	Methidathion, water, filtered, recoverable, micrograms per liter		< 0.008	< 0.008	< 0.008	< 0.008
61601	Mylobutanil, water, filtered, recoverable, micrograms per liter		< 0.008	< 0.008	< 0.008	< 0.008
61610	Tribuphos, water, filtered, recoverable, micrograms per liter		< 0.03	< 0.03	< 0.03	< 0.03
61618	2-Chloro-2,6-diethylacetanilide, water, filtered, recoverable, micrograms per liter		< 0.005	< 0.005	< 0.005	< 0.005
61620	2-Ethyl-6-methylamine, water, filtered, recoverable, micrograms per liter		< 0.005	< 0.005	< 0.005	< 0.005
61625	3,4-Dichloroaniline, water, filtered, recoverable, micrograms per liter		< 0.0045	< 0.0045	< 0.0045	< 0.0045
61633	4-Chloro-2-methylphenol, water, filtered, recoverable, micrograms per liter		< 0.0056	< 0.0056	< 0.0056	< 0.0056
61635	Azinphos-methyl oxygen analog, water, filtered, recoverable, micrograms per liter		< 0.016	< 0.016	< 0.016	< 0.016
61636	Chlorpyrifos oxygen analog, water, filtered, recoverable, micrograms per liter		< 0.06	< 0.06	< 0.06	< 0.06
61644	Ethion monoxon, water, filtered, recoverable, micrograms per liter		< 0.034	< 0.034	< 0.034	< 0.034
61645	Fenamiphos sulfone, water, filtered, recoverable, micrograms per liter		< 0.008	< 0.008	< 0.008	< 0.008
61646	Fenamiphos sulfoxide, water, filtered, recoverable, micrograms per liter		< 0.03	< 0.03	< 0.03	< 0.03
61652	Malaconox, water, filtered, recoverable, micrograms per liter		< 0.008	< 0.008	< 0.008	< 0.008
61664	Methyl paraoxon, water, filtered, recoverable, micrograms per liter		< 0.03	< 0.03	< 0.03	< 0.03

Water Quality Data for Selected RCWD Production Wells
Well Nos. 110, 126, 130, and 133
2004

Code	Parameter	MCL	No. 110 6/15/2004	No. 126 5/27/2004	No. 130 6/14/2004	No. 133 5/20/2004
	Sampling date		< 0.097	< 0.097	< 0.097	< 0.097
61666	Phorate oxygen analog, water, filtered, recoverable, micrograms per liter		< 0.068	< 0.068	< 0.053	< 0.053
61668	Phosmet oxygen analog, water, filtered, recoverable, micrograms per liter		< 1	< 1	< 1	< 0.068
61674	Terbufos oxygen analog sulfone, water, filtered, recoverable, micrograms per liter		< 0.019	< 0.019	< 0.019	< 0.019
61705	Diethoxyoctylphenol, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
61706	Monooxyoctylphenol, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62005	Cotinine, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62054	1-Methylphthalene, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62055	2,6-Dimethylnaphthalene, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62056	2-Methylphthalane, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62057	3-beta-Coprostanol, water, filtered, recoverable, micrograms per liter		< 2	< 2	< 2	< 2
62058	3-Methyl-1H-indole, water, filtered, recoverable, micrograms per liter		< 1	< 1	< 1	< 1
62059	3-tert-Butyl-4-hydroxyanisole, water, filtered, recoverable, micrograms per liter		< 5	< 5	< 5	< 5
62060	4-Cumylphenol, water, filtered, recoverable, micrograms per liter		< 1	< 1	< 1	< 1
62061	4-Octylphenol, water, filtered, recoverable, micrograms per liter		< 1	< 1	< 1	< 1
62062	4-tert-Octylphenol, water, filtered, recoverable, micrograms per liter		< 1	< 1	< 1	< 1
62063	5-Methyl-1H-benzotriazole, water, filtered, recoverable, micrograms per liter		< 2	< 2	< 2	< 2
62064	Acetophenone, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62065	Acetyl hexamethyl tetrahydro naphthalene, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62066	9,10-Anthraquinone, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62067	Benzophenone, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62068	beta-Sitosterol, water, filtered, recoverable, micrograms per liter		< 2	< 2	< 2	< 2
62070	Camphor, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62071	Carbazole, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62072	Cholesterol, water, filtered, recoverable, micrograms per liter		< 2	< 2	< 2	< 2
62073	D-Limonene, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62075	Hexahydrohexamethyl cyclopentabenzopyran, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62076	Indole, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62077	Isoborneol, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62078	Isopropylbenzene, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62079	Isouquinoline, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62080	Menthol, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62081	Methyl salicylate, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62082	DEET, water, filtered, recoverable, micrograms per liter	E 0.06	< 0.5	< 0.5	< 0.5	< 0.5
62083	Diethoxynonylphenol, water, filtered, recoverable, micrograms per liter		< 5	< 5	< 5	< 5
62084	p-Cresol, water, filtered, recoverable, micrograms per liter		< 1	< 1	< 1	< 1
62085	4-Nonylphenol, water, filtered, recoverable, micrograms per liter		< 5	< 5	< 5	< 5
62086	beta-Sigmastranol, water, filtered, recoverable, micrograms per liter		< 2	< 2	< 2	< 2
62087	Tris(2-chloroethyl) phosphate, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62088	Tris(dichloroisopropyl) phosphate, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62089	Tributyl phosphate, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62090	Tridolsan, water, filtered, recoverable, micrograms per liter		< 1	< 1	< 1	< 1
62091	Triethyl citrate, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62092	Triphenyl phosphate, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62093	Tris(2-butoxyethyl) phosphate, water, filtered, recoverable, micrograms per liter		< 0.5	< 0.5	< 0.5	< 0.5
62166	Fipronil, water, filtered, recoverable, micrograms per liter		< 0.016	< 0.016	< 0.016	< 0.016
62167	Fipronil sulfide, water, filtered, recoverable, micrograms per liter		< 0.013	< 0.013	< 0.013	< 0.013
62168	Fipronil sulfone, water, filtered, recoverable, micrograms per liter		< 0.024	< 0.024	< 0.024	< 0.024
62169	Desulfurylfipronil amide, water, filtered, recoverable, micrograms per liter		< 0.029	< 0.029	< 0.029	< 0.029
62170	Desulfurylfipronil, water, filtered, recoverable, micrograms per liter		< 0.012	< 0.012	< 0.012	< 0.012
62854	Total nitrogen, ($(\text{NH}_3+\text{NO}_2+\text{NO}_3)/\text{Organic}$), filtered, milligrams per liter		0.53	0.53	1.31	0.54
63790	Perchlorate, water, filtered, recoverable, micrograms per liter	6	1500	532	478	494
70300	Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter		E 508	V 460	V 460	V 473
70301	Residue, water, filtered, sum of constituents, milligrams per liter					

Water Quality Data for Selected RCWD Production Wells
Well Nos. 110, 126, 130, and 133
2004

Code	Parameter	MCL	No. 110 6/15/2004	No. 126 5/27/2004	No. 130 6/14/2004	No. 133 5/20/2004
Sampling date						
70303 Residue, water, filtered, tons per acre-foot			< 0.052		< 0.052	< 0.052
71846 Ammonia, water, filtered, milligrams per liter as NH4			2.22		5.68	2.3
71851 Nitrate, water, filtered, milligrams per liter	45 (q)	< 0.026			< 0.026	< 0.026
71856 Iodide, water, filtered, milligrams per liter						
71870 Bromide, water, filtered, milligrams per liter		0.15			0.34	0.37
72019 Depth to water level, feet below land surface						
73547 trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, micrograms per liter		< 0.7	< 0.7		< 0.7	< 0.7
73570 Ethyl methacrylate, water, unfiltered, recoverable, micrograms per liter		< 0.18	< 0.18		< 0.18	< 0.18
75985 Tritium 2-sigma combined uncertainty, water, unfiltered, picocuries per liter		1.3	0.6	1	0.6	
Rn-222, 2-sigma combined uncertainty, water, unfiltered, picocuries per liter		28		24	23	
76002 Carbon disulfide, water, unfiltered, micrograms per liter		< 0.038	< 0.038		< 0.038	< 0.038
77041 cis-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter	6	< 0.024	< 0.024		< 0.024	< 0.024
n-Butyl methyl ketone, water, unfiltered, recoverable, micrograms per liter		< 0.7	< 0.7		< 0.7	< 0.7
77128 Styrene, water, unfiltered, recoverable, micrograms per liter	100	< 0.042	< 0.042		< 0.042	< 0.042
o-Xylene, water, unfiltered, recoverable, micrograms per liter		< 0.038	< 0.038		< 0.038	< 0.038
77135 1,1-Dichloropropene, water, unfiltered, recoverable, micrograms per liter		< 0.026	< 0.026		< 0.026	< 0.026
77168 1,2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter		< 0.05	< 0.05		< 0.05	< 0.05
77170 1,3-Dichloropane, water, unfiltered, recoverable, micrograms per liter		< 0.06	< 0.06		< 0.06	< 0.06
77173 2-Ethyltoluene, water, unfiltered, recoverable, micrograms per liter		< 0.06	< 0.06		< 0.06	< 0.06
77220 1,2,3-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.06	< 0.06		< 0.06	< 0.06
77221 1,2,4-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.06	< 0.06		< 0.06	< 0.06
77222 Isopropylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.038	< 0.038		< 0.038	< 0.038
77223 n-Propylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.042	< 0.042		< 0.042	< 0.042
77224 1,3,5-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.044	< 0.044		< 0.044	< 0.044
77226 2-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04		< 0.04	< 0.04
77227 4-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter		< 0.05	< 0.05		< 0.05	< 0.05
77229 Bromochloromethane, water, unfiltered, recoverable, micrograms per liter		< 0.12	< 0.12		< 0.12	< 0.12
77342 n-Butylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.12	< 0.12		< 0.12	< 0.12
77350 sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.06	< 0.06		< 0.06	< 0.06
77353 tert-Butylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.06	< 0.06		< 0.06	< 0.06
77356 4-Isopropyltoluene, water, unfiltered, recoverable, micrograms per liter		< 0.08	< 0.08		< 0.08	< 0.08
77424 Iodomethane, water, unfiltered, recoverable, micrograms per liter		< 0.35	< 0.35		< 0.35	< 0.35
77443 1,2,3-Trichloropropane, water, unfiltered, recoverable, micrograms per liter		< 0.18	< 0..18		< 0.18	< 0..18
77562 1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter		< 0.03	< 0.03		< 0.03	< 0.03
77613 1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter		< 0.27	< 0.27		< 0.27	< 0.27
77651 1,2-Dibromoethane, water, unfiltered, recoverable, micrograms per liter	0.05	< 0.036	< 0.036		< 0.036	< 0.036
77652 1,1,2,2-Tetrachloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, micrograms per liter		< 0.038	< 0.038		< 0.038	< 0.038
77803 3-Chloropropene, water, unfiltered, recoverable, micrograms per liter		< 0.17	< 0.17		< 0.17	< 0.17
78109 Isobutyl methyl ketone, water, unfiltered, recoverable, micrograms per liter		< 0.5	< 0.5		< 0.5	< 0.5
81552 Acetone, water, unfiltered, recoverable, micrograms per liter		< 0.37	< 0.37		< 0.37	< 0.37
81555 Bromobenzene, water, unfiltered, recoverable, micrograms per liter		< 6	< 6		< 6	< 6
81576 Diethyl ether, water, unfiltered, recoverable, micrograms per liter		< 0.28	< 0.28		< 0.28	< 0.28
81577 Disopropyl ether, water, unfiltered, recoverable, micrograms per liter		< 0.1	< 0.1		< 0.1	< 0.1
81593 Methyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter		< 0.1	< 0.1		< 0.1	< 0.1
81595 Ethyl methyl ketone, water, unfiltered, recoverable, micrograms per liter		< 0.76	< 0.76		< 0.76	< 0.76
81597 Methyl methacrylate, water, unfiltered, recoverable, micrograms per liter		< 4	< 4		< 4	< 4
81607 Tetrahydrofuran, water, unfiltered, recoverable, micrograms per liter		< 0.35	< 0.35		< 0.35	< 0.35
C-13/C-12 ratio		< 2.2	< 2.2		< 2.2	< 2.2
82081 Deuterium/Promium ratio		-11			-14.2	-14.1
82082 Oxygen-18/Oxygen-16 ratio		-85	-54.3		-46.6	-46
82085 Rn-222, water, unfiltered, picocuries per liter		-10.5	-8.13		-6.63	-6.4
82303		210			420	310

Water Quality Data for Selected RCWD Production Wells
Well Nos. 110, 126, 130, and 133
2004

Code	Parameter	MCL	No. 110 6/15/2004	No. 126 5/27/2004	No. 130 6/14/2004	No. 133 5/20/2004
Sampling date			< 0.004	< 0.004	< 0.004	< 0.004
82346	Ethion, water, filtered, recoverable, micrograms per liter		< 0.51	< 0.51	< 0.51	< 0.51
82625	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, micrograms per liter		< 0.006	< 0.006	< 0.006	< 0.006
82630	Meribuzin, water, filtered, recoverable, micrograms per liter		< 0.006	< 0.006	< 0.006	< 0.006
82660	2,6-Diethylaniline, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.006	< 0.006	< 0.006	< 0.006
82661	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.009	< 0.009	< 0.009	< 0.009
82662	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.0061	< 0.0061	< 0.0061	< 0.0061
82664	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.011	< 0.011	< 0.011	< 0.011
82667	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.015	< 0.015	< 0.015	< 0.015
82670	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.016	< 0.016	< 0.016	< 0.016
82673	Benzfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.01	< 0.01	< 0.01	< 0.01
82675	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.017	< 0.017	< 0.017	< 0.017
82676	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.004	< 0.004	< 0.004	< 0.004
82680	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.041	< 0.041	< 0.041	< 0.041
82682	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.003	< 0.003	< 0.003	< 0.003
82683	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.022	< 0.022	< 0.022	< 0.022
82686	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.05	< 0.05	< 0.05	< 0.05
82687	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.006	< 0.006	< 0.006	< 0.006
85795	m-Xylene plus p-xylene, water, unfiltered, recoverable, micrograms per liter		< 0.06	< 0.06	< 0.06	< 0.06
90095	Specific conductance, water, unfiltered, laboratory, microsiemens per centimeter at 25 degrees Celsius					
90095	Trihalomethanes, water, unfiltered, percent recovery					
90867	Trihalomethanes, water, unfiltered, calcd., micrograms per liter					
90867	Bisphenol A-d3, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery					
99883	Caffeine-13C, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery					
99884	Decafluorobiphenyl, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery					
99885	Fluoranthene-d10, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery					
99886	1,2-Dichloroethane-d4, surrogate, Schedule 2090, water, unfiltered, percent recovery					
99882	Toluene-d8, surrogate, Schedule 2090, water, unfiltered, percent recovery					
99883	1-Bromo-4-fluorobenzene, surrogate, VOC schedules, water, unfiltered, percent recovery					
99884	Diazinon-d10, surrogate, Schedule 2003, water, filtered, percent recovery					
99994	alpha-HCH-d6, surrogate, Schedule 2003, water, filtered, percent recovery					
99995						

Notes:

U.S. EPA STORET numbers for MCLs correspond to the same as the USGS NWIS data parameter number except as follows:

- (a) MCL shown for U.S. EPA STORET No. 620.
- (b) MCL shown for U.S. EPASTORET No. 951.
- (c) MCL shown for U.S. EPA STORET No. 1002.
- (d) MCL shown for U.S. EPA STORET No. 1007.
- (e) MCL shown for U.S. EPA STORET No. 1012.
- (f) MCL shown for U.S. EPA STORET No. 1027.
- (g) MCL shown for U.S. EPA STORET No. 1034.
- (h) MCL shown for U.S. EPA STORET No. 1042.
- (i) MCL shown for U.S. EPA STORET No. 1059.
- (j) MCL shown for U.S. EPA STORET No. 1067.
- (k) MCL shown for U.S. EPASTORET No. 1077.
- (l) MCL shown for U.S. EPA STORET No. 1092.
- (m) MCL shown for U.S. EPA STORET No. 1097.
- (n) MCL shown for U.S. EPA STORET No. 1105.
- (o) MCL shown for U.S. EPA STORET No. 1147.
- (p) MCL shown for U.S. EPA STORET No. 34247.
- (q) MCL shown for U.S. EPA STORET No. 71850.

Code-Data parameter number used in USGS National Water Information System (NWIS).

E-Estimated.

M--Presence verified but not quantified.

MC--Maximum Contaminant Level reported by California DHS (May 25, 2007 Database) for U.S. EPA STORET number.

V--Biased results from contamination.

**Water Quality Data for Selected RCWD Production Wells
Well Nos. 157, 217, and 232
2004**

Code	Parameter	MCL	No. 157 5/27/2004	No. 217 7/26/2004	No. 232 5/19/2004	No. 232 5/24/2004
Sampling date						
3 Sampling depth, feet						
10 Temperature, water, degrees Celsius			16.5	19	24.1	19.5
28 Agency analyzing sample, code		80020	80020	80020	80020	80020
59 Flow rate, instantaneous, gallons per minute						
95 Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius			783	858	704	1020
191 Hydrogen ion, water, unfiltered, calculated, milligrams per liter				0.00003	0.00001	
300 Dissolved oxygen, water, unfiltered, milligrams per liter				3.5	4.6	
400 pH, water, unfiltered, field, standard units				7.5	8.1	
403 pH, water, unfiltered, laboratory, standard units						
405 Carbon dioxide, water, unfiltered, milligrams per liter						
453 Bicarbonate, water, filtered, incremental titration, field, milligrams per liter						
602 Total nitrogen, water, filtered, milligrams per liter						
607 Organic nitrogen, water, filtered, milligrams per liter			< 0.06			
608 Ammonia, water, filtered, milligrams per liter as nitrogen			< 0.04	< 0.04		
613 Nitrite, water, filtered, milligrams per liter as nitrogen	1 (a)		< 0.008	0.028		
618 Nitrate, water, filtered, milligrams per liter as nitrogen			0.411	3.81		
623 Ammonia plus organic nitrogen, water, filtered, milligrams per liter as nitrogen						
631 Nitrate plus nitrite, water, filtered, milligrams per liter as nitrogen			0.41	3.84		
660 Orthophosphate, water, filtered, milligrams per liter			0.113	0.046		
666 Phosphorus, water, filtered, milligrams per liter						
671 Orthophosphate, water, filtered, milligrams per liter as phosphorus						
900 Hardness, water, milligrams per liter as calcium carbonate			0.037	0.015		
904 Noncarb hardness, water, filtered, field, milligrams per liter as calcium carbonate			261	261	76.6	
905 Noncarb hardness, water, filtered, lab, milligrams per liter as calcium carbonate				120		
915 Calcium, water, filtered, milligrams per liter					65	25.6
925 Magnesium, water, filtered, milligrams per liter					23.7	3
930 Sodium, water, filtered, milligrams per liter					76.6	116
931 Sodium adsorption ratio, water, number						
932 Sodium fraction of cations, water, percent in equivalents of major cations			4.29	1.77		
935 Potassium, water, filtered, milligrams per liter			79.9	86.8		
940 Chloride, water, filtered, milligrams per liter		600	173	61.1		
945 Sulfate, water, filtered, milligrams per liter		600				
950 Fluoride, water, filtered, milligrams per liter	2 (b)		0.27	0.82		
955 Silica, water, filtered, milligrams per liter			13.1	18.2		
1000 Arsenic, water, filtered, micrograms per liter	10 (c)		0.5	7.8		
1005 Barium, water, filtered, micrograms per liter	1000 (d)		34.9	62.8		
1010 Beryllium, micrograms per liter	4 (e)		< 0.06	< 0.06		
1020 Boron, water, filtered, micrograms per liter			159	289		
1025 Cadmium, micrograms per liter	5 (f)		0.022	< 0.04		
1030 Chromium, micrograms per liter	50 (g)		< 0.8	1.6		
1035 Cobalt, micrograms per liter	2 (i)		0.2	0.069		
1040 Copper, micrograms per liter		1000 (h)	4.9	V 0.9		
1046 Iron, water, filtered, micrograms per liter		300	< 6.4	E 6		
1049 Lead, micrograms per liter			0.936	0.111		
1056 Manganese, water, filtered, micrograms per liter	50		0.29	< 0.2		
1057 Thallium, micrograms per liter	2 (j)		< 0.04	< 0.04		
1060 Molybdenum, micrograms per liter			4.11	2.04		
1065 Nickel, micrograms per liter			1.33	0.55		
1075 Silver, micrograms per liter			< 0.2	< 0.2		
1080 Strontium, water, filtered, micrograms per liter	100 (k)		706	277		
1085 Vanadium, micrograms per liter			3	69		
1090 Zinc, micrograms per liter	5000 (l)		2.9	E 0.6		
1095 Antimony, micrograms per liter	6 (m)		E 0.112	< 0.2		

Water Quality Data for Selected RCWD Production Wells
Well Nos. 157, 217, and 232
2004

Code	Parameter	MCL	No. 157 5/27/2004	No. 157 5/26/2004	No. 217 5/19/2004	No. 217 5/24/2004	No. 232 5/24/2004
	Sampling date						
1106	Aluminum, water, filtered, micrograms per liter	1000 (n)	< 1.6	4.8			
1130	Lithium, water, filtered, micrograms per liter		17.4	4.15			
1145	Selenium, micrograms per liter	50 (o)	1.3	1.8			
4022	Terbutylazine, water, filtered, recoverable, micrograms per liter		< 0.01	< 0.01			
4025	Hexazinone, water, filtered, recoverable, micrograms per liter		< 0.013	< 0.013			
4029	Bromadiol, water, filtered, recoverable, micrograms per liter		< 0.03	< 0.03			
4035	Simazine, water, filtered, recoverable, micrograms per liter		0.017	0.006	< 0.005		
4036	Prometryn, water, filtered, recoverable, micrograms per liter		0.008	< 0.005	< 0.005		
4037	Prometon, water, filtered, recoverable, micrograms per liter		0.007	< 0.005	< 0.005		
4040	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, micrograms per liter		E 0.005	< 0.03	< 0.006	< 0.006	
4095	Fonofos, water, filtered, recoverable, micrograms per liter		< 0.003	< 0.003	< 0.003	< 0.003	
7000	Tritium, water, unfiltered, picocuries per liter		20.5	1.6	10.6		
22703	Uranium, natural, micrograms per liter		2.67	2.55			
29801	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, laboratory, milligrams per liter as calcium carbonate		< 0.05	< 0.05	< 0.05	< 0.05	
30217	Dibromomethane, water, unfiltered, recoverable, micrograms per liter		0.112	< 0.028	< 0.028	< 0.028	
32101	Bromodichloromethane, water, unfiltered, recoverable, micrograms per liter		< 0.06	< 0.06	< 0.06	< 0.06	
32102	Tetrachloromethane, water, unfiltered, recoverable, micrograms per liter	0.5	< 0.13	< 0.13	< 0.13	< 0.13	
32103	1,2-Dichloroethane, water, unfiltered, recoverable, micrograms per liter		< 0.1	< 0.1	< 0.1	< 0.1	
32104	Tribromomethane, water, unfiltered, recoverable, micrograms per liter		< 0.1	< 0.1	< 0.1	< 0.1	
32105	Dibromochloromethane, water, unfiltered, recoverable, micrograms per liter		0.49	< 0.02	< 0.02	< 0.02	
32106	Trichloromethane, water, unfiltered, recoverable, micrograms per liter		150	< 0.05	E 0.01	< 0.05	
34010	Toluene, water, unfiltered, recoverable, micrograms per liter		1	< 0.021	< 0.021	< 0.021	
34030	Benzene, water, unfiltered, recoverable, micrograms per liter		< 1.2	< 1.2	< 1.2	< 1.2	
34215	Acrylonitrile, water, unfiltered, recoverable, micrograms per liter						
34221	Anthracene, water, filtered, recoverable, micrograms per liter						
34248	Benzolalpyrene, water, filtered, recoverable, micrograms per liter		0.2 (p)				
34288	Tribromomethane, water, filtered, recoverable, micrograms per liter						
34301	Chlorobenzene, water, unfiltered, recoverable, micrograms per liter		70	< 0.028	< 0.028	< 0.028	
34311	Chloroethane, water, unfiltered, recoverable, micrograms per liter		< 0.12	< 0.12	< 0.12	< 0.12	
34371	Ethylbenzene, water, unfiltered, recoverable, micrograms per liter		300	< 0.03	< 0.03	< 0.03	
34377	Fluoranthene, water, filtered, recoverable, micrograms per liter						
34396	Hexachloroethane, water, unfiltered, recoverable, micrograms per liter			< 0.14	< 0.14	< 0.14	
34409	Isophorone, water, filtered, recoverable, micrograms per liter				< 0.05	< 0.05	
34413	Bromomethane, water, unfiltered, recoverable, micrograms per liter			< 0.3	< 0.3	< 0.3	
34418	Chloromethane, water, unfiltered, recoverable, micrograms per liter			< 0.2	< 0.2	< 0.2	
34423	Dichloromethane, water, unfiltered, recoverable, micrograms per liter		5	E 0.03	< 0.06	< 0.06	
34443	Naphthalene, water, filtered, recoverable, micrograms per liter				< 0.05	< 0.05	
34462	Phenanthrene, water, filtered, recoverable, micrograms per liter				< 0.05	< 0.05	
34466	Phenol, water, filtered, recoverable, micrograms per liter				< 0.05	< 0.05	
34470	Pyrene, water, filtered, recoverable, micrograms per liter				< 0.05	< 0.05	
34475	Tetrachloroethene, water, unfiltered, recoverable, micrograms per liter		5	< 0.06	E 0.011	< 0.06	
34476	Tetrachloroethene, water, filtered, recoverable, micrograms per liter				< 0.05	< 0.05	
34488	Trichlorofluoromethane, water, unfiltered, recoverable, micrograms per liter		150	< 0.16	< 0.16	< 0.16	
34496	1,1-Dichloroethane, water, unfiltered, recoverable, micrograms per liter		5	< 0.035	< 0.035	< 0.035	
34501	1,1-Dichloroethene, water, unfiltered, recoverable, micrograms per liter		6	< 0.024	< 0.024	< 0.024	
34506	1,1,1-Trichloroethane, water, unfiltered, recoverable, micrograms per liter		200	< 0.032	< 0.032	< 0.032	
34511	1,1,2-Trichloroethane, water, unfiltered, recoverable, micrograms per liter		5	< 0.064	< 0.064	< 0.064	
34516	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter		1	< 0.16	< 0.16	< 0.16	
34536	1,2-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter		600	< 0.048	< 0.048	< 0.048	
34541	1,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter		5	< 0.029	< 0.029	< 0.029	
34546	trans-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter		10	< 0.032	< 0.032	< 0.032	
34551	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter		5	< 0.12	< 0.12	< 0.12	
34566	1,3-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter			< 0.03	< 0.03	< 0.03	

Water Quality Data for Selected RCWD Production Wells
Well Nos. 157, 217, and 232
2004

Code	Parameter	MCL	No. 157	No. 157	No. 217	No. 232
		5/27/2004	5/19/2004	7/26/2004	5/24/2004	5/24/2004
34571	Sampling date				< 0.034	< 0.034
34572	1,4-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter	5	< 0.034		< 0.05	< 0.034
34668	Dichlorodifluoromethane, water, filtered, recoverable, micrograms per liter			< 0.18	< 0.18	< 0.18
34696	Naphthalene, water, unfiltered, recoverable, micrograms per liter			< 0.52	< 0.52	< 0.52
34699	trans-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5	< 0.09		< 0.09	< 0.09
34704	cis-,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5	< 0.05		< 0.05	< 0.05
38454	Diclofophos, water, filtered, recoverable, micrograms per liter		< 0.08	< 0.08	< 0.08	< 0.08
38775	Dichlorvos, water, filtered, recoverable, micrograms per liter		< 0.01		< 0.01	< 0.01
38933	Chlordrifos, water, filtered, recoverable, micrograms per liter		< 0.005		< 0.005	< 0.005
39086	Alkalinity, water, filtered, incremental titration, field, milligrams per liter as calcium carbonate					
39175	Vinyl chloride, water, unfiltered, recoverable, micrograms per liter	0.5	< 0.06		< 0.06	< 0.06
39180	Trichloroethylene, water, unfiltered, recoverable, micrograms per liter	5	< 0.038		< 0.038	< 0.038
39281	Dieldrin, water, filtered, recoverable, micrograms per liter		< 0.009		< 0.009	< 0.009
39415	Metolachlor, water, filtered, recoverable, micrograms per liter		< 0.013		< 0.013	< 0.013
39632	Methathion, water, filtered, recoverable, micrograms per liter		< 0.027		< 0.027	< 0.027
39572	Diazinon, water, filtered, recoverable, micrograms per liter		< 0.005		< 0.005	< 0.005
39632	Atrazine, water, filtered, recoverable, micrograms per liter		< 0.007	< 0.009	< 0.007	< 0.007
39702	Hexachlorobutadiene, water, unfiltered, recoverable, micrograms per liter		< 0.14		< 0.14	< 0.14
46342	Alachlor, water, filtered, recoverable, micrograms per liter		< 0.005		< 0.005	< 0.005
49260	Acetochlor, water, filtered, recoverable, micrograms per liter		< 0.006		< 0.006	< 0.006
49295	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.0882		< 0.0882	< 0.0882
49933	C-14, water, filtered, percent modern		91.45	74.09		
49934	C-14, counting error, water, filtered, percent modern				< 2	< 2
49991	Methyl acrylate, water, unfiltered, recoverable, micrograms per liter		< 2		< 2	< 2
49999	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.14		< 0.14	< 0.14
50000	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.14		< 0.14	< 0.14
50002	Bromoethene, water, unfiltered, recoverable, micrograms per liter		< 0.1		< 0.1	< 0.1
50004	tert-Butyl ethyl ether, water, unfiltered, recoverable, micrograms per liter		< 0.05		< 0.05	< 0.05
50005	Methyl tert-pentyl ether, water, unfiltered, recoverable, micrograms per liter		< 0.08		< 0.08	< 0.08
50305	Caffeine, water, filtered, recoverable, micrograms per liter			< 0.01		0.17
50359	Metalaxyl, water, filtered, recoverable, micrograms per liter			< 0.02		< 0.02
61209	Perchlorate, water, unfiltered, recoverable, micrograms per liter	6	0.74	1.4		
61585	Cyfluthrin, water, filtered, recoverable, micrograms per liter		< 0.008		< 0.008	< 0.008
61586	Cypermethrin, water, filtered, recoverable, micrograms per liter		< 0.009		< 0.009	< 0.009
61591	Fenamiphos, water, filtered, recoverable, micrograms per liter		< 0.029		< 0.029	< 0.029
61593	Iprodione, water, filtered, recoverable, micrograms per liter		< 1.42		< 1.42	< 1.42
61594	Isofenphos, water, filtered, recoverable, micrograms per liter		< 0.003		< 0.003	< 0.003
61596	Metalaxyl, water, filtered, recoverable, micrograms per liter		< 0.005		< 0.005	< 0.005
61598	Methidation, water, filtered, recoverable, micrograms per liter		< 0.006		< 0.006	< 0.006
61599	Myclobutanil, water, filtered, recoverable, micrograms per liter		< 0.008		< 0.008	< 0.008
61601	Phosmet, water, filtered, recoverable, micrograms per liter		< 0.008		< 0.008	< 0.008
61610	Tribufos, water, filtered, recoverable, micrograms per liter					
61618	2-Chloro-2',6-diethylacetanilide, water, filtered, recoverable, micrograms per liter		< 0.005		< 0.005	< 0.005
61620	2-Ethyl-6-methylalpine, water, filtered, recoverable, micrograms per liter		< 0.005		< 0.005	< 0.005
61625	3,4-Dichlorocainline, water, filtered, recoverable, micrograms per liter		0.0085		< 0.0045	< 0.0045
61633	4-Chloro-2-methylphenol, water, filtered, recoverable, micrograms per liter		< 0.0056		< 0.0056	< 0.0056
61635	Azimpnophos-methyl oxygen analog, water, filtered, recoverable, micrograms per liter		< 0.016		< 0.016	< 0.016
61636	Chlorpyrifos oxygen analog, water, filtered, recoverable, micrograms per liter		< 0.06		< 0.06	< 0.06
61644	Ethion monoxon, water, filtered, recoverable, micrograms per liter		< 0.034		< 0.034	< 0.034
61645	Fenamiphos sulfone, water, filtered, recoverable, micrograms per liter		< 0.008		< 0.008	< 0.008
61646	Fenamiphos sulfoxide, water, filtered, recoverable, micrograms per liter		< 0.03		< 0.03	< 0.03
61652	Malaioxon, water, filtered, recoverable, micrograms per liter		< 0.008		< 0.008	< 0.008
61664	Methyl paraaxon, water, filtered, recoverable, micrograms per liter		< 0.03		< 0.03	< 0.03

Water Quality Data for Selected RCWD Production Wells
Well Nos. 157, 217, and 232
2004

Code	Parameter	MCL	No. 157	No. 157	No. 217	No. 232
		5/27/2004	5/19/2004	7/26/2004	5/24/2004	5/24/2004
61666	Sampling date		< 0.097	< 0.097	< 0.097	< 0.097
61668	Phorate oxygen analog, water, filtered, recoverable, micrograms per liter					
61674	Phosmet oxygen analog, water, filtered, recoverable, micrograms per liter	< 0.068			< 0.068	< 0.068
61705	Terbufos, water, filtered, recoverable, micrograms per liter					
61706	Diethoxyoctylphenol, water, filtered, recoverable, micrograms per liter					
62005	Monooethoxyoctylphenol, water, filtered, recoverable, micrograms per liter					
62054	Cotinine, water, filtered, recoverable, micrograms per liter					
62055	1-Methylnaphthalene, water, filtered, recoverable, micrograms per liter					
62056	2,6-Dimethylnaphthalene, water, filtered, recoverable, micrograms per liter					
62057	2-Methylnaphthalene, water, filtered, recoverable, micrograms per liter					
62058	3-Beta-Coprostanol, water, filtered, recoverable, micrograms per liter					
62059	3-Methyl-1H-indole, water, filtered, recoverable, micrograms per liter					
62060	3-tert-Butyl-4-hydroxyanisole, water, filtered, recoverable, micrograms per liter					
62061	4-Cumylphenol, water, filtered, recoverable, micrograms per liter					
62062	4-Octylphenol, water, filtered, recoverable, micrograms per liter					
62063	5-Methyl-1H-benzotriazole, water, filtered, recoverable, micrograms per liter					
62064	Acetophenone, water, filtered, recoverable, micrograms per liter					
62065	Acetyl hexamethyl tetrahydro naphthalene, water, filtered, recoverable, micrograms per liter					
62066	9,10-Anthraquinone, water, filtered, recoverable, micrograms per liter					
62067	Benzophenone, water, filtered, recoverable, micrograms per liter					
62068	beta-Sitosterol, water, filtered, recoverable, micrograms per liter					
62070	Camphor, water, filtered, recoverable, micrograms per liter					
62071	Carbazole, water, filtered, recoverable, micrograms per liter					
62072	Cholesterol, water, filtered, recoverable, micrograms per liter					
62073	D-Limonene, water, filtered, recoverable, micrograms per liter					
62075	Hexahydronexamethyl cyclopentabenzopyran, water, filtered, recoverable, micrograms per liter					
62076	Indole, water, filtered, recoverable, micrograms per liter					
62077	Isoborneol, water, filtered, recoverable, micrograms per liter					
62078	Isopropylbenzene, water, filtered, recoverable, micrograms per liter					
62079	Isoquinoline, water, filtered, recoverable, micrograms per liter					
62080	Menthol, water, filtered, recoverable, micrograms per liter					
62081	Methyl salicylate, water, filtered, recoverable, micrograms per liter					
62082	DEET, water, filtered, recoverable, micrograms per liter					
62083	Diethoxynonylphenol, water, filtered, recoverable, micrograms per liter					
62084	p-Cresol, water, filtered, recoverable, micrograms per liter					
62085	4-Nonylphenol, water, filtered, recoverable, micrograms per liter					
62086	beta-Stigmastanol, water, filtered, recoverable, micrograms per liter					
62087	Tris(2-chloroethyl) phosphate, water, filtered, recoverable, micrograms per liter					
62088	Tris(dichloroisopropyl) phosphate, water, filtered, recoverable, micrograms per liter					
62089	Tributyl phosphate, water, filtered, recoverable, micrograms per liter					
62090	Triclosan, water, filtered, recoverable, micrograms per liter					
62091	Triethyl citrate, water, filtered, recoverable, micrograms per liter					
62092	Triphenyl phosphate, water, filtered, recoverable, micrograms per liter					
62093	Tris(2-butoxyethyl) phosphate, water, filtered, recoverable, micrograms per liter					
62166	Fipronil, water, filtered, recoverable, micrograms per liter		< 0.016		< 0.016	< 0.016
62167	Fipronil sulfide, water, filtered, recoverable, micrograms per liter		< 0.013		< 0.013	< 0.013
62168	Fipronil sulfone, water, filtered, recoverable, micrograms per liter		< 0.024		< 0.024	< 0.024
62169	Desulfurylifpronil amide, water, filtered, recoverable, micrograms per liter		< 0.029		< 0.029	< 0.029
62170	Desulfurylifpronil, water, filtered, recoverable, micrograms per liter		< 0.012		< 0.012	< 0.012
62254	Total nitrogen, (NH ₃ +NO ₂ +NO ₃ +Organic), filtered, milligrams per liter	6			0.47	3.67
63790	Perchlorate, water, filtered, recoverable, micrograms per liter					
70300	Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter	1500			540	423
70301	Residue, water, filtered, sum of constituents, milligrams per liter			E 524	V 401	

Water Quality Data for Selected RCWD Production Wells
Well Nos. 157, 217, and 232
2004

Code	Parameter	MCL	No. 157 5/27/2004	No. 157 7/26/2004	No. 157 5/19/2004	No. 217 5/24/2004	No. 232 5/24/2004
	Sampling date						
70303	Residue, water, filtered, tons per acre-foot			< 0.052	< 0.052		
71846	Ammonia, water, filtered, milligrams per liter as NH ₄						
71851	Nitrate, water, filtered, milligrams per liter	45 (q)		1.82		16.9	
71856	Nitrite, water, filtered, milligrams per liter			< 0.026	< 0.026		
71865	Iodide, water, filtered, milligrams per liter						
71870	Bromide, water, filtered, milligrams per liter			0.14	0.320		
72019	Depth to water level, feet below land surface						
73547	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, micrograms per liter		< 0.7		< 0.7	< 0.7	
73570	Ethyl methacrylate, water, unfiltered, recoverable, micrograms per liter		< 0.7		< 0.18	< 0.18	
75985	Tritium 2-sigma combined uncertainty, water, unfiltered, picocuries per liter		1.3		1	1	
76002	Rn-222, 2-sigma combined uncertainty, water, unfiltered, picocuries per liter			22	25		
77041	Carbon disulfide, water, unfiltered, micrograms per liter		< 0.038		< 0.038	< 0.038	
77093	cis-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter	6	< 0.024		< 0.024	< 0.024	
77103	n-Butyl methyl ketone, water, unfiltered, recoverable, micrograms per liter		< 0.7		< 0.7	< 0.7	
77128	Styrene, water, unfiltered, recoverable, micrograms per liter	100	< 0.042		< 0.042	< 0.042	
77135	o-Xylene, water, unfiltered, recoverable, micrograms per liter		< 0.038		< 0.038	< 0.038	
77168	1,1-Dichloropropene, water, unfiltered, recoverable, micrograms per liter		< 0.026		< 0.026	< 0.026	
77170	2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter		< 0.05		< 0.05	< 0.05	
77173	1,3-Dichloropropane, water, unfiltered, recoverable, micrograms per liter		< 0.06		< 0.06	< 0.06	
77220	2-Ethyltoluene, water, unfiltered, recoverable, micrograms per liter		< 0.06		< 0.06	< 0.06	
77221	1,2,3-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.06		< 0.06	< 0.06	
77222	1,2,4-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.056		< 0.056	< 0.056	
77223	Isopropylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.038		< 0.038	< 0.038	
77224	n-Propylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.042		< 0.042	< 0.042	
77226	1,3,5-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.044		< 0.044	< 0.044	
77227	2-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter		< 0.04		< 0.04	< 0.04	
77227	4-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter		< 0.05		< 0.05	< 0.05	
77297	Bromo-chloromethane, water, unfiltered, recoverable, micrograms per liter		< 0.12		< 0.12	< 0.12	
77342	n-Butylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.12		< 0.12	< 0.12	
77350	sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.06		< 0.06	< 0.06	
77353	tert-Butylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.06		< 0.06	< 0.06	
77356	4-Isopropyltoluene, water, unfiltered, recoverable, micrograms per liter		< 0.08		< 0.08	< 0.08	
77424	Iodomethane, water, unfiltered, recoverable, micrograms per liter		< 0.35		< 0.35	< 0.35	
77443	1,2,3-Trichloropropane, water, unfiltered, recoverable, micrograms per liter		< 0..18		< 0..18	< 0..18	
77562	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter		< 0.03		< 0.03	< 0.03	
77613	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter		< 0.27		< 0.27	< 0.27	
77651	1,2-Dibromoethane, water, unfiltered, recoverable, micrograms per liter	0.05	< 0.036		< 0.036	< 0.036	
77652	1,1,2-Trichloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, micrograms per liter		< 0.038		< 0.038	< 0.038	
77652	Methyl tert-butyl ether, water, unfiltered, recoverable, micrograms per liter		< 0.17		< 0.17	< 0.17	
78109	3-Chloropropene, water, unfiltered, recoverable, micrograms per liter		< 0.5		< 0.5	< 0.5	
78133	Isobutyl methyl ketone, water, unfiltered, recoverable, micrograms per liter		< 0.37		< 0.37	< 0.37	
81552	Acetone, water, unfiltered, recoverable, micrograms per liter		< 6		< 6	< 6	
81555	Bromobenzene, water, unfiltered, recoverable, micrograms per liter		< 0.028		< 0.028	< 0.028	
81576	Diethyl ether, water, unfiltered, recoverable, micrograms per liter		< 0.1		< 0.1	< 0.1	
81577	Dilisopropyl ether, water, unfiltered, recoverable, micrograms per liter		< 0.1		< 0.1	< 0.1	
81593	Methyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter		< 0.76		< 0.76	< 0.76	
81595	Ethyl methyl ketone, water, unfiltered, recoverable, micrograms per liter		< 4		< 4	< 4	
81597	Methyl methacrylate, water, unfiltered, recoverable, micrograms per liter		< 0.35		< 0.35	< 0.35	
81607	Tetrahydrodofuran, water, unfiltered, recoverable, micrograms per liter		< 2.2		< 2.2	< 2.2	
82081	C-13/C-12 ratio, water, unfiltered, per mil		-10.5		-16.5	-16.5	
82082	Deuterium/P/Protium ratio, water, unfiltered, per mil		-80.7		-48.1	-46	
82085	Oxygen-18/Oxygen-16 ratio, water, unfiltered, per mil		-10.02		-7.02	-5.9	
82303	Rn-222, water, unfiltered, picocuries per liter		270		410		

Water Quality Data for Selected RCWD Production Wells
Well Nos. 157, 217, and 232
2004

Code	Parameter	MCL	No. 157	No. 157	No. 217	No. 232
		5/27/2004	5/19/2004	7/26/2004	5/24/2004	
82346	Sampling date		< 0.004	< 0.004	< 0.004	< 0.004
82625	Ethion, water, filtered, recoverable, micrograms per liter		< 0.51	< 0.51	< 0.51	< 0.51
82630	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, micrograms per liter		< 0.006	< 0.006	< 0.006	< 0.006
82660	Metribuzin, water, filtered, recoverable, micrograms per liter		< 0.006	< 0.006	< 0.006	< 0.006
82661	2,6-Diethylaniline, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.009	< 0.009	< 0.009	< 0.009
82662	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.0061	< 0.0061	< 0.0061	< 0.0061
82664	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.011	< 0.011	< 0.011	< 0.011
82667	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.015	< 0.015	< 0.015	< 0.015
82670	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.016	< 0.026	< 0.016	< 0.016
82673	Terbutyluron, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.01	< 0.01	< 0.01	< 0.01
82675	Benfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.017	< 0.017	< 0.017	< 0.017
82676	Terbutos, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.004	< 0.004	< 0.004	< 0.004
82680	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.041	< 0.041	< 0.041	< 0.041
82682	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.003	< 0.003	< 0.003	< 0.003
82683	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.022	< 0.022	< 0.022	< 0.022
82686	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.05	< 0.05	< 0.05	< 0.05
82687	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.006	< 0.006	< 0.006	< 0.006
85795	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter		< 0.06	< 0.06	< 0.06	< 0.06
90095	m-Xylene plus p-xylene, water, unfiltered, recoverable, micrograms per liter					
90851	Specific conductance, water, unfiltered, laboratory, micrograms per centimeter at 25 degrees Celsius					
90867	Trihalomethanes, water, unfiltered, calcd, micrograms per liter					
99583	Bisphenol A-d3, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery					
99584	Caffeine-13C, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery					
99585	Decafluorobiphenyl, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery					
99586	Fluoranthene-d10, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery					
99832	1,2-Dichloroethane-d4, surrogate, Schedule 2090, water, unfiltered, percent recovery					
99833	Toluene-d8, surrogate, Schedule 2090, water, unfiltered, percent recovery					
99834	1-Bromo-4-fluorobenzene, surrogate, VOC schedule, water, unfiltered, percent recovery					
99994	Diazinon-d10, surrogate, Schedule 2003, water, filtered, percent recovery					
99995	alpha-HCH-d6, surrogate, Schedule 2003, water, filtered, percent recovery					

Notes:

U.S. EPA STORET numbers for MCLs correspond to the same as the USGS NWIS data parameter number except as follows:

- (a) MCL shown for U.S. EPA STORET No. 620.
- (b) MCL shown for U.S. EPASTORET No. 951.
- (c) MCL shown for U.S. EPA STORET No. 1002.
- (d) MCL shown for U.S. EPA STORET No. 1007.
- (e) MCL shown for U.S. EPA STORET No. 1012.
- (f) MCL shown for U.S. EPA STORET No. 1027.
- (g) MCL shown for U.S. EPA STORET No. 1034.
- (h) MCL shown for U.S. EPA STORET No. 1042.
- (i) MCL shown for U.S. EPA STORET No. 1059.
- (j) MCL shown for U.S. EPA STORET No. 1067.
- (k) MCL shown for U.S. EPASTORET No. 1077.
- (l) MCL shown for U.S. EPA STORET No. 1092.
- (m) MCL shown for U.S. EPA STORET No. 1097.
- (n) MCL shown for U.S. EPA STORET No. 1105.
- (o) MCL shown for U.S. EPA STORET No. 1147.
- (p) MCL shown for U.S. EPA STORET No. 34247.
- (q) MCL shown for U.S. EPA STORET No. 71850.

Code--Data parameter number used in USGS National Water Information System (NWIS).

E-Estimated.

M--Presence verified but not quantified.

MCL--Maximum Contaminant Level reported by California DHS (May 25, 2007 Database) for U.S. EPA STORET number.

V--Biased results from contamination.

Water Quality Data for Selected RCWD Production Wells
Well Nos. 110, 124, 125, 126, and 130
2007

Code	Parameter	MCL	No. 110 9/17/2007	No. 124 9/19/2007	No. 125 9/27/2007	No. 126 9/18/2007	No. 130 9/19/2007
Sampling date							
3 Sampling depth, feet			18.5	22	23.5	26	21
10 Temperature, water, degrees Celsius		80020	80020	80020	80020	80020	80020
28 Agency analyzing sample, code							
59 Flow rate, instantaneous, gallons per minute							
95 Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius			834	585	733	531	807
191 Hydrogen ion, water, unfiltered, calculated, milligrams per liter			0.00004	M	0.00001	M	M
300 Dissolved oxygen, water, unfiltered, milligrams per liter			2.9	1.4	0.9	< 0.2	1.9
400 pH, water, unfiltered, field, standard units			7.4	8.7	8.3	9.1	8.8
403 pH, water, unfiltered, laboratory, standard units							
405 Carbon dioxide, water, unfiltered, milligrams per liter							
453 Bicarbonate, water, filtered, incremental titration, field, milligrams per liter							
602 Total nitrogen, water, filtered, milligrams per liter							
607 Organic nitrogen, water, filtered, milligrams per liter						E 0.01	< 0.07
608 Ammonia, water, filtered, milligrams per liter as nitrogen	1 (a)					E 0.12	< 0.02
613 Nitrite, water, filtered, milligrams per liter as nitrogen						0.049	E 0.002
618 Nitrate, water, filtered, milligrams per liter as nitrogen						0.23	E 0.16
623 Ammonia plus organic nitrogen, water, filtered, milligrams per liter as nitrogen							
631 Nitrate plus nitrite, water, filtered, milligrams per liter as nitrogen						0.28	1.16
660 Orthophosphate, water, filtered, milligrams per liter						0.033	0.041
666 Phosphorus, water, filtered, milligrams per liter							
671 Orthophosphate, water, filtered, milligrams per liter as phosphorus							
900 Hardness, water, milligrams per liter as calcium carbonate			239	57.9	47.1	42.1	72.7
904 Noncarb hardness, water filtered field, milligrams per liter as calcium carbonate							
905 Noncarb hardness, water filtered lab, milligrams per liter as calcium carbonate			113				
910 Calcium, water, filtered, milligrams per liter			60.1	19.7	13.1	1.55	4.33
925 Magnesium, water, filtered, milligrams per liter			21.5	2.05	3.41	0.072	15
930 Sodium, water, filtered, milligrams per liter			77	96.9	140	108	167
931 Sodium adsorption ratio, water, number							
932 Sodium fraction of cations, water, percent in equivalents of major cations			4.88	1.48	1.87	0.42	0.74
935 Potassium, water, filtered, milligrams per liter		600	81	71.8	93.4	62.2	82.4
940 Chloride, water, filtered, milligrams per liter		600	166	39.8	61.1	11.4	94
945 Sulfate, water, filtered, milligrams per liter	2 (b)		0.38	0.98	0.53	3.61	0.53
950 Fluoride, water, filtered, milligrams per liter			15	17.2	16.5	14.8	13.3
955 Silica, water, filtered, milligrams per liter			10 (c)	0.81	11.4	3.3	3.6
1000 Arsenic, water, filtered, micrograms per liter			1000 (d)	38.2	67.5	95	13.7
1005 Barium, water, filtered, micrograms per liter			4 (e)	< 0.06	< 0.06	< 0.06	< 0.06
1010 Beryllium, micrograms per liter							
1020 Iron, water, filtered, micrograms per liter			1000 (h)	0.86	< 0.4	0.7	E 0.23
1025 Cadmium, micrograms per liter			300	12.5	E 3.8	E 4.6	< 6
1030 Chromium, micrograms per liter	5 (f)		E 0.025	< 0.04	< 0.04	E 0.027	< 0.04
1035 Cobalt, micrograms per liter	50 (g)		E 0.15	0.23	0.38	0.83	E 0.12
1040 Copper, micrograms per liter	2 (i)		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
1046 Lead, micrograms per liter			1000 (j)	0.56	0.07	0.11	< 0.06
1049 Manganese, water, filtered, micrograms per liter			100 (k)	< 0.1	< 0.1	< 0.1	< 0.1
1056 Thallium, micrograms per liter			374	262	250	26	70.1
1057 Molybdenum, micrograms per liter			4.6	117	55.9	60.9	35.5
1060 Nickel, micrograms per liter			5000 (l)	1	E 0.59	1.3	E 0.37
1065 Silver, micrograms per liter			6 (m)	E 0.049	< 0.06	E 0.04	< 0.06
1075 Strontium, water, filtered, micrograms per liter							
1080 Vanadium, micrograms per liter							
1085 Zinc, micrograms per liter							
1090 Antimony, micrograms per liter							
1095							

Water Quality Data for Selected RCWD Production Wells
Well Nos. 110, 124, 125, 126, and 130
2007

Code	Parameter	MCL	No. 110 9/17/2007	No. 124 9/19/2007	No. 125 9/27/2007	No. 126 9/18/2007	No. 130 9/19/2007
	Sampling date		1000 (n)	< 1.6	7	5	22
1106	Aluminum, water, filtered, micrograms per liter		3.22	4.57	4.92	5.01	5.4
1130	Lithium, water, filtered, micrograms per liter		50 (o)	1.2	1	2	7.90
1145	Selenium, micrograms per liter						1.8
4022	Terbutylazine, water, filtered, recoverable, micrograms per liter						
4025	Hexazinone, water, filtered, recoverable, micrograms per liter						
4029	Bronacil, water, filtered, recoverable, micrograms per liter						
4035	Simazine, water, filtered, recoverable, micrograms per liter						
4036	Prometryn, water, filtered, recoverable, micrograms per liter						
4037	Prometon, water, filtered, recoverable, micrograms per liter						
4040	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, micrograms per liter						
4095	Fonofos, water, filtered, recoverable, micrograms per liter						
7000	Tritium, water, unfiltered, picocuries per liter		18.2	1	1	1	2.6
22703	Uranium, natural, micrograms per liter		1.49	1.98	3.42	3.06	3.74
29801	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, laboratory, milligrams per liter as calcium carbonate		126	125	154	146	165
30217	Dibromoethane, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
32101	Bromodichloromethane, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	0.24	< 0.04	< 0.04
32102	Tetrachloromethane, water, unfiltered, recoverable, micrograms per liter		0.5	< 0.08	< 0.08	< 0.08	< 0.08
32103	1,2-Dichloroethane, water, unfiltered, recoverable, micrograms per liter		< 0.1	< 0.1	< 0.06	< 0.1	< 0.1
32104	Tribromomethane, water, unfiltered, recoverable, micrograms per liter		< 0.08	< 0.08	1.21	< 0.08	< 0.08
32105	Dibromochloromethane, water, unfiltered, recoverable, micrograms per liter		< 0.12	< 0.12	0.39	< 0.12	< 0.12
32106	Trichloromethane, water, unfiltered, recoverable, micrograms per liter		0.57	E 0.035	0.37	< 0.04	E 0.04
34010	Toluene, water, unfiltered, recoverable, micrograms per liter		150	< 0.02	< 0.02	< 0.02	< 0.02
34030	Benzene, water, unfiltered, recoverable, micrograms per liter		1	< 0.016	< 0.02	< 0.016	< 0.016
34215	Acrylonitrile, water, unfiltered, recoverable, micrograms per liter		< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
34221	Anthracene, water, filtered, recoverable, micrograms per liter						
34248	Benzolalpyrene, water, filtered, recoverable, micrograms per liter	0.2 (p)					
34288	Tribromomethane, water, filtered, recoverable, micrograms per liter		70	< 0.02	< 0.02	< 0.02	< 0.02
34301	Chlorobenzene, water, unfiltered, recoverable, micrograms per liter		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
34311	Chloroethane, water, unfiltered, recoverable, micrograms per liter		300	< 0.02	< 0.02	< 0.04	< 0.02
34371	Ethybenzene, water, unfiltered, recoverable, micrograms per liter		5	< 0.04	< 0.04	< 0.04	< 0.04
34377	Fluoranthene, water, filtered, recoverable, micrograms per liter						
34396	Hexachloroethane, water, unfiltered, recoverable, micrograms per liter			< 0.14	< 0.14	< 0.14	< 0.14
34409	Isophorone, water, filtered, recoverable, micrograms per liter			< 0.4	< 0.4	< 0.4	< 0.4
34413	Bromomethane, water, unfiltered, recoverable, micrograms per liter			< 0.1	< 0.1	< 0.1	< 0.1
34418	Chloroethane, water, unfiltered, recoverable, micrograms per liter			5	< 0.04	< 0.04	< 0.02
34423	Dichloromethane, water, unfiltered, recoverable, micrograms per liter						
34443	Naphthalene, water, filtered, recoverable, micrograms per liter						
34462	Phenanthrene, water, filtered, recoverable, micrograms per liter						
34466	Pheno, water, filtered, recoverable, micrograms per liter						
34470	Pyrene, water, filtered, recoverable, micrograms per liter						
34475	Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter		5	< 0.04	< 0.04	< 0.04	< 0.04
34476	Tetrachloroethene, water, filtered, recoverable, micrograms per liter						
34488	Trichloroformmethane, water, unfiltered, recoverable, micrograms per liter		150	< 0.08	< 0.08	< 0.08	< 0.08
34496	1,1-Dichloroethane, water, unfiltered, recoverable, micrograms per liter		5	< 0.06	< 0.06	< 0.06	< 0.06
34501	1,1-Dichloroethene, water, unfiltered, recoverable, micrograms per liter		6	< 0.02	< 0.02	< 0.02	< 0.02
34506	1,1,1-Trichloroethane, water, unfiltered, recoverable, micrograms per liter		200	< 0.04	< 0.04	< 0.04	< 0.04
34511	1,1,2-Trichloroethane, water, unfiltered, recoverable, micrograms per liter		5	< 0.04	< 0.04	< 0.04	< 0.04
34516	1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter		1	< 0.1	< 0.1	< 0.1	< 0.1
34536	1,2-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter		600	< 0.04	< 0.04	< 0.04	< 0.04
34541	1,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter		5	< 0.02	< 0.02	< 0.02	< 0.02
34546	trans-1,2-Dichloroethylene, water, unfiltered, recoverable, micrograms per liter		10	< 0.018	< 0.018	< 0.018	< 0.018
34551	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter		5	< 0.12	< 0.12	< 0.12	< 0.12
34566	1,3-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter			< 0.04	< 0.04	< 0.04	< 0.04

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2007

Code	Parameter	MCL	No. 110	No. 124	No. 125	No. 126	No. 130
	Sampling date		9/17/2007	9/19/2007	9/27/2007	9/18/2007	9/19/2007
34571	1,4-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter		5	< 0.04	< 0.04	< 0.04	< 0.04
34572	1,4-Dichlorobenzene, water, filtered, recoverable, micrograms per liter			< 0.14	< 0.14	< 0.14	< 0.14
34668	Dichlorodifluoromethane, water, unfiltered, recoverable, micrograms per liter			< 0.4	< 0.4	< 0.4	< 0.4
34696	Naphthalene, water, unfiltered, recoverable, micrograms per liter			0.5	< 0.1	< 0.1	< 0.1
34699	trans-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter			0.5	< 0.06	< 0.1	< 0.06
34704	cis-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter						
38454	Diclofophos, water, filtered, recoverable, micrograms per liter						
38775	Dichlorvos, water, filtered, recoverable, micrograms per liter						
38933	Chlorpyrifos, water, filtered, recoverable, micrograms per liter						
39086	Alkalinity, water, filtered, incremental titration, field, milligrams per liter as calcium carbonate						
39175	Vinyl chloride, water, unfiltered, recoverable, micrograms per liter		0.5	< 0.08	< 0.08	< 0.08	< 0.08
39180	Trichloroethylene, water, unfiltered, recoverable, micrograms per liter		5	< 0.02	< 0.02	< 0.02	< 0.02
39381	Dieldrin, water, filtered, recoverable, micrograms per liter						
39415	Methylchloro, water, filtered, recoverable, micrograms per liter						
39532	Malathion, water, filtered, recoverable, micrograms per liter						
39572	Diazinon, water, filtered, recoverable, micrograms per liter						
39632	Atrazine, water, filtered, recoverable, micrograms per liter			< 0.1	< 0.1	< 0.1	< 0.1
39702	Hexachlorobutadiene, water, unfiltered, recoverable, micrograms per liter						
46342	Alachlor, water, filtered, recoverable, micrograms per liter						
49260	Acetochlor, water, filtered, recoverable, micrograms per liter						
49295	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
49933	C-14, water, filtered, percent modern						
49934	C-14, counting error, water, filtered, percent modern						
49991	Methyl acrylate, water, unfiltered, recoverable, micrograms per liter			< 0.4	< 0.4	< 0.6	< 0.4
49999	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter			< 0.14	< 0.14	< 0.14	< 0.14
50000	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter			< 0.12	< 0.12	< 0.12	< 0.12
50002	Bromoethene, water, unfiltered, recoverable, micrograms per liter			< 0.12	< 0.12	< 0.12	< 0.12
50004	tert-Butyl ethyl ether, water, unfiltered, recoverable, micrograms per liter			< 0.04	< 0.04	< 0.04	< 0.04
50005	Methyl/tert-pentyl ether, water, unfiltered, recoverable, micrograms per liter			< 0.04	< 0.04	< 0.06	< 0.04
50305	Caffeine, water, filtered, recoverable, micrograms per liter						
50359	Metalaxyl, water, filtered, recoverable, micrograms per liter						
61209	Perchlorate, water, unfiltered, recoverable, micrograms per liter		6	0.63	< 0.5	< 0.5	< 0.5
61585	Cyfluthrin, water, filtered, recoverable, micrograms per liter						
61586	Cypermethrin, water, filtered, recoverable, micrograms per liter						
61591	Fenamiphos, water, filtered, recoverable, micrograms per liter						
61593	Iprodione, water, filtered, recoverable, micrograms per liter						
61594	Isofenphos, water, filtered, recoverable, micrograms per liter						
61596	Metalaxyl, water, filtered, recoverable, micrograms per liter						
61598	Methidathion, water, filtered, recoverable, micrograms per liter						
61599	Myclobutanil, water, filtered, recoverable, micrograms per liter						
61601	Phosmet, water, filtered, recoverable, micrograms per liter						
61610	Tribiphos, water, filtered, recoverable, micrograms per liter						
61618	2-Chloro-2,6-diethylacetanilide, water, filtered, recoverable, micrograms per liter						
61620	2-Ethyl-6-methylaniline, water, filtered, recoverable, micrograms per liter						
61625	3,4-Dichloroaniline, water, filtered, recoverable, micrograms per liter						
61633	4-Chloro-2-methylphenol, water, filtered, recoverable, micrograms per liter						
61635	Azinphos-methyl oxygen analog, water, filtered, recoverable, micrograms per liter						
61636	Chlorpyrifos oxygen analog, water, filtered, recoverable, micrograms per liter						
61644	Ethion monoxon, water, filtered, recoverable, micrograms per liter						
61645	Fenamiphos sulfone, water, filtered, recoverable, micrograms per liter						
61646	Fenamiphos sulfoxide, water, filtered, recoverable, micrograms per liter						
61652	Malaoxon, water, filtered, recoverable, micrograms per liter						
61664	Methyl paraoxon, water, filtered, recoverable, micrograms per liter						

Water Quality Data for Selected RCWD Production Wells
Well Nos. 110, 124, 125, 126, and 130
2007

Code	Parameter	MCL	No. 110	No. 124	No. 125	No. 126	No. 130
	Sampling date		9/17/2007	9/19/2007	9/27/2007	9/18/2007	9/19/2007
61666	Phorate oxygen analog, water, filtered, recoverable, micrograms per liter						
61668	Phosmet oxygen analog, water, filtered, recoverable, micrograms per liter						
61674	Terbufos oxygen analog sulfone, water, filtered, recoverable, micrograms per liter						
61705	Diethoxyoctylphenol, water, filtered, recoverable, micrograms per liter						
61706	Monooethoxyoctylphenol, water, filtered, recoverable, micrograms per liter						
62005	Cotinine, water, filtered, recoverable, micrograms per liter						
62054	1-Methylnaphthalene, water, filtered, recoverable, micrograms per liter						
62055	2,6-Dimethylnaphthalene, water, filtered, recoverable, micrograms per liter						
62056	2-Methylnaphthalene, water, filtered, recoverable, micrograms per liter						
62057	3-beta-Coprostanol, water, filtered, recoverable, micrograms per liter						
62058	3-Methyl-1-H-indole, water, filtered, recoverable, micrograms per liter						
62059	3-tert-Butyl-4-hydroxyanisole, water, filtered, recoverable, micrograms per liter						
62060	4-Cumylphenol, water, filtered, recoverable, micrograms per liter						
62061	4-Octylphenol, water, filtered, recoverable, micrograms per liter						
62062	4-tert-Octylphenol, water, filtered, recoverable, micrograms per liter						
62063	5-Methyl-1-H-benzotrazole, water, filtered, recoverable, micrograms per liter						
62064	Acetophenone, water, filtered, recoverable, micrograms per liter						
62065	Acetyl hexamethyl tetrahydro naphthalene, water, filtered, recoverable, micrograms per liter						
62066	9,10-Anthraquinone, water, filtered, recoverable, micrograms per liter						
62067	Benzophenone, water, filtered, recoverable, micrograms per liter						
62068	beta-Sitosterol, water, filtered, recoverable, micrograms per liter						
62070	Camphor, water, filtered, recoverable, micrograms per liter						
62071	Carbazole, water, filtered, recoverable, micrograms per liter						
62072	Cholesterol, water, filtered, recoverable, micrograms per liter						
62073	D-Limonene, water, filtered, recoverable, micrograms per liter						
62075	Hexahydrohexamethyl cyclopentabenzyopyran, water, filtered, recoverable, micrograms per liter						
62076	Indole, water, filtered, recoverable, micrograms per liter						
62077	Isoborneol, water, filtered, recoverable, micrograms per liter						
62078	Isopropylbenzene, water, filtered, recoverable, micrograms per liter						
62079	Isoquinoline, water, filtered, recoverable, micrograms per liter						
62080	Menthol, water, filtered, recoverable, micrograms per liter						
62081	Methyl salicylate, water, filtered, recoverable, micrograms per liter						
62082	DEET, water, filtered, recoverable, micrograms per liter						
62083	Diethoxynonylphenol, water, filtered, recoverable, micrograms per liter						
62084	p-Cresol, water, filtered, recoverable, micrograms per liter						
62085	4-Nonylphenol, water, filtered, recoverable, micrograms per liter						
62086	beta-Stigmastanol, water, filtered, recoverable, micrograms per liter						
62087	Tris(2-chloroethyl) phosphate, water, filtered, recoverable, micrograms per liter						
62088	Tris(dichloroisopropyl) phosphate, water, filtered, recoverable, micrograms per liter						
62089	Tributyl phosphate, water, filtered, recoverable, micrograms per liter						
62090	Triclosan, water, filtered, recoverable, micrograms per liter						
62091	Triethyl citrate, water, filtered, recoverable, micrograms per liter						
62092	Triphenyl phosphite, water, filtered, recoverable, micrograms per liter						
62093	Tris(2-butoxyethyl) phosphate, water, filtered, recoverable, micrograms per liter						
62166	Fipronil, water, filtered, recoverable, micrograms per liter						
62167	Fipronil sulfide, water, filtered, recoverable, micrograms per liter						
62168	Fipronil sulfone, water, filtered, recoverable, micrograms per liter						
62169	Desulfurifipronil amide, water, filtered, recoverable, micrograms per liter						
62170	Desulfurifipronil, water, filtered, recoverable, micrograms per liter						
62854	Total nitrogen, (NH ₃ +NO ₂ +NO ₃ -Organic), filtered, milligrams per liter	6				0.3	1.23
63790	Perchlorate, water, filtered, recoverable, micrograms per liter						
70300	Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter	1500	521	345	425	297	484
70301	Residue, water, filtered, sum of constituents, milligrams per liter		E 502	E 326	E 424	E 293	E 483

Water Quality Data for Selected RCWD Production Wells
Well Nos. 110, 124, 125, 126, and 130
2007

Code	Parameter	MCL	No. 110 9/17/2007	No. 124 9/19/2007	No. 125 9/27/2007	No. 126 9/18/2007	No. 130 9/19/2007
Sampling date							
70303 Residue, water, filtered, tons per acre-foot						< 0.026	< 0.026
771846 Ammonia, water, filtered, milligrams per liter as NH ₄						1.02	E 5.11
771851 Nitrate, water, filtered, milligrams per liter	45 (g)					0.159	E 0.006
771856 Nitrite, water, filtered, milligrams per liter							
771865 Iodide, water, filtered, milligrams per liter							
771870 Bromide, water, filtered, milligrams per liter							
772019 Depth to water level, feet below land surface							
735477 trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, micrograms per liter		< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
73570 Ethyl methacrylate, water, unfiltered, recoverable, micrograms per liter		< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
75985 Tritium 2-sigma combined uncertainty, water, unfiltered, picocuries per liter		1.6	1	0.6	1	1	1
76002 Rn-222, 2-sigma combined uncertainty, water, unfiltered, picocuries per liter		19	22	20	24	24	23
77041 Carbon disulfide, water, unfiltered, micrograms per liter		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
77093 cis-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter	6	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
77103 n-Butyl methyl ketone, water, unfiltered, recoverable, micrograms per liter		< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
77128 Styrene, water, unfiltered, recoverable, micrograms per liter	100	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77135 o-Xylene, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77168 1,1-Dichloropropene, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77170 2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter		< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
77173 1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter		< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
77220 2-Ethyltoluene, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77221 1,2,3-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
77222 1,2,4-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	E 0.1	< 0.04	E 0.024
77223 Isopropylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77224 n-Propylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77226 1,3,5-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77227 2-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77228 4-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77229 Bromochloromethane, water, unfiltered, recoverable, micrograms per liter		< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
77342 n-Butylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
77350 sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77353 tert-Butylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
77356 4-Isopropyltoluene, water, unfiltered, recoverable, micrograms per liter		< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
77424 Iodomethane, water, unfiltered, recoverable, micrograms per liter		< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
77443 1,2,3-Trichloropropene, water, unfiltered, recoverable, micrograms per liter		< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
77562 1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77613 1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter		< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
77651 1,2-Dibromoethane, water, unfiltered, recoverable, micrograms per liter	0.05	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
77652 1,1,2-Trichloro-1,2-trifluoroethane, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
78032 Methyl tert-butyl ether, water, unfiltered, recoverable, micrograms per liter		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
78109 3-Chloropropene, water, unfiltered, recoverable, micrograms per liter		< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
78133 Isobutyl methyl ketone, water, unfiltered, recoverable, micrograms per liter		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
81552 Acetone, water, unfiltered, recoverable, micrograms per liter		< 6	< 6	< 4	< 6	< 6	< 6
81555 Bromobenzene, water, unfiltered, recoverable, micrograms per liter		< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
81576 Diethyl ether, water, unfiltered, recoverable, micrograms per liter		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
81577 Diisopropyl ether, water, unfiltered, recoverable, micrograms per liter		< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
81593 Methyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter		< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
81595 Ethyl methyl ketone, water, unfiltered, recoverable, micrograms per liter		< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
81607 Methyl methacrylate, water, unfiltered, recoverable, micrograms per liter		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
82081 C-13/C-12 ratio, water, unfiltered, per mil		< 1	< 1	< 1	< 1	< 1	< 1
82082 Deuterium/P-Protium ratio, water, unfiltered, per mil		-8.73	-13.39	-12.64	-11.36	-12.42	-12.42
82085 Oxygen-18/Oxygen-16 ratio, water, unfiltered, per mil		-80.8	-51.9	-50.6	-54.3	-46.3	-46.3
82303 Rn-222, water, unfiltered, picocuries per liter		-10.12	-7.54	-7.29	-8.09	-6.47	-6.47
		180	330	300	300	300	370

**Water Quality Data for Selected RCWD Production Wells
Well Nos. 110, 124, 125, 126, and 130
2007**

Code	Parameter	MCL	No. 110	No. 124	No. 125	No. 126	No. 130
	Sampling date		9/17/2007	9/19/2007	9/27/2007	9/18/2007	9/19/2007
82346	Ethion, water, filtered, recoverable, micrograms per liter			< 0.5	< 0.5	< 0.5	< 0.5
82625	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, micrograms per liter						
82630	Metrizban, water, filtered, recoverable, micrograms per liter						
82660	2,6-Diethylaniline, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82661	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82662	Dimethoate, water filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82664	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82667	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82670	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82673	Benthiolin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82675	Terbutos, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82676	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82680	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82682	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82683	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82686	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
82687	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
85795	m-Xylene plus p-xylene, water, unfiltered, recoverable, micrograms per liter		< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
90095	Specific conductance, water, unfiltered, recoverable, micrograms per centimeter at 25 degrees Celsius						
90851	Trihalomethanes, water, unfiltered, calc'd, micrograms per liter						
90867	Trihalomethanes, water, unfiltered, calc'd, micrograms per liter						
99583	Bisphenol A-d3, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99584	Caffeine-d3C, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99585	Decafluorobiphenyl, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99586	Fluoranthene-d10, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99832	1,2-Dichloroethane-d4, surrogate, Schedule 2090, water, unfiltered, percent recovery						
99833	Toluene-d8, surrogate, Schedule 2090, water, unfiltered, percent recovery						
99834	1-Bromo-4-fluorobenzene, surrogate, VOC schedules, water, unfiltered, percent recovery						
99994	Diazinon-d10, surrogate, Schedule 2003, water, filtered, percent recovery						
99995	alpha-HCH-d6, surrogate, Schedule 2003, water, filtered, percent recovery						

Notes:

- U.S. EPA STORET numbers for MCLs correspond to the same as the USGS NWIS data parameter number except as follows:
- (a) MCL shown for U.S. EPA STORET No. 620.
 - (b) MCL shown for U.S. EPASTORET No. 951.
 - (c) MCL shown for U.S. EPA STORET No. 1002.
 - (d) MCL shown for U.S. EPA STORET No. 1007.
 - (e) MCL shown for U.S. EPA STORET No. 1012.
 - (f) MCL shown for U.S. EPA STORET No. 1027.
 - (g) MCL shown for U.S. EPA STORET No. 1034.
 - (h) MCL shown for U.S. EPA STORET No. 1042.
 - (i) MCL shown for U.S. EPA STORET No. 1059.
 - (j) MCL shown for U.S. EPA STORET No. 1067.
 - (k) MCL shown for U.S. EPASTORET No. 1077.
 - (l) MCL shown for U.S. EPA STORET No. 1092.
 - (m) MCL shown for U.S. EPA STORET No. 1097.
 - (n) MCL shown for U.S. EPA STORET No. 1105.
 - (o) MCL shown for U.S. EPA STORET No. 1147.
 - (p) MCL shown for U.S. EPA STORET No. 3247.
 - (q) MCL shown for U.S. EPA STORET No. 71850.

Code--Data parameter number used in USGS National Water Information System (NWIS).

E--Estimated.

M--Presence verified but not quantified.

MCL--Maximum Contaminant Level reported by California DHS (May 25, 2007 Database) for U.S. EPA STORET number.

V--Biased results from contamination.

Water Quality Data for Selected RCWD Production Wells
Well Nos. 133, 157, 210, 217, and 232
2007

Code	Parameter	MCL	No. 133 9/17/2007	No. 157 9/17/2007	No. 210 9/18/2007	No. 217 9/19/2007	No. 232 9/18/2007
Sampling date							
3 Sampling depth, feet			21	22.5	19	23.5	19
10 Temperature, water, degrees Celsius		80020	80020	80020	80020	80020	80020
28 Agency analyzing sample, code							
59 Flow rate, instantaneous, gallons per minute							
95 Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius			810	903	945	716	947
191 Hydrogen ion, water, unfiltered, calculated, milligrams per liter		0.00001	0.00004	0.00004	0.00001	0.00004	
300 Dissolved oxygen, water, unfiltered, milligrams per liter			7	4.2	6	3	5.8
400 pH, water, unfiltered, field, standard units			8.1	7.4	7.4	8.2	7.4
403 pH, water, unfiltered, laboratory, standard units							
405 Carbon dioxide, water, unfiltered, milligrams per liter							
453 Bicarbonate, water, filtered, incremental titration, field, milligrams per liter							
602 Total nitrogen, water, filtered, milligrams per liter				< 0.05			
607 Organic nitrogen, water, filtered, milligrams per liter				< 0.02			
608 Ammonia, water, filtered, milligrams per liter as nitrogen		1 (a)		< 0.02			
613 Nitrite, water, filtered, milligrams per liter as nitrogen				< 0.002			
618 Nitrate, water, filtered, milligrams per liter as nitrogen				0.105			
623 Ammonia plus organic nitrogen, water, filtered, milligrams per liter as nitrogen							
631 Nitrate plus nitrite, water, filtered, milligrams per liter as nitrogen				0.11			
660 Orthophosphate, water, filtered, milligrams per liter				0.14			
666 Phosphorus, water, filtered, milligrams per liter							
671 Orthophosphate, water, filtered, milligrams per liter as phosphorus							
900 Hardness, water, milligrams per liter as calcium carbonate			96.4	0.046	262	272	82.3
904 Noncarb hardness, water filtered field, milligrams per liter as calcium carbonate							234
905 Noncarb hardness, water filtered lab, milligrams per liter as calcium carbonate				111	110		67
915 Calcium, water, filtered, milligrams per liter			24.1	66.3	74.7	26.7	66.3
925 Magnesium, water, filtered, milligrams per liter			8.7	23.2	20.7	3.7	16.6
930 Sodium, water, filtered, milligrams per liter			132	81.8	85.1	117	101
931 Sodium adsorption ratio, water, number							
932 Sodium fraction of cations, water, percent in equivalents of major cations			2.41	4.78	5.35	1.77	4.18
935 Potassium, water, filtered, milligrams per liter		600	95	84.3	87.6	84.4	89.1
940 Chloride, water, filtered, milligrams per liter		600	102	176	171	67.1	162
945 Sulfate, water, filtered, milligrams per liter		2 (b)	0.93	0.28	0.52	0.88	0.50
950 Fluoride, water, filtered, milligrams per liter			19	13.3	21.8	16.8	26.2
955 Silica, water, filtered, milligrams per liter		10 (c)	2.8	0.51	0.87	6.1	1.6
1000 Arsenic, water, filtered, micrograms per liter		1000 (d)	53.8	45.5	53.2	62.5	56.3
1005 Barium, water, filtered, micrograms per liter		4 (e)	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
1010 Beryllium, micrograms per liter			649	152	153	289	
1020 Boron, water, filtered, micrograms per liter		5 (f)	< 0.04	E 0.021	E 0.025	< 0.04	E 0.034
1025 Cadmium, micrograms per liter		50 (g)	0.71	E 0.008	0.54	1.9	0.97
1030 Chromium, micrograms per liter			< 0.04	E 0.035	E 0.034	E 0.021	E 0.03
1035 Cobalt, micrograms per liter		2 (i)	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
1040 Copper, micrograms per liter		1000 (h)	1.1	1.5	0.42	0.86	1.6
1046 Iron, water, filtered, micrograms per liter		300	E 4	E 3.1	< 6	15.5	E 4.1
1049 Lead, micrograms per liter			0.482	E 0.087	< 0.12	< 0.12	0.151
1056 Manganese, water, filtered, micrograms per liter		50	E 0.12	E 0.15	E 0.14	0.3	< 0.2
1057 Thallium, micrograms per liter		2 (j)	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
1060 Molybdenum, micrograms per liter			4.94	4.39	9.94	1.82	11
1065 Nickel, micrograms per liter		100 (l)	0.47	0.63	0.49	0.18	0.48
1075 Silver, micrograms per liter		100 (k)	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1080 Strontium, water, filtered, micrograms per liter		408		813	366	279	361
1085 Vanadium, micrograms per liter			45.4	3.1	6.8	69.4	14.6
1090 Zinc, micrograms per liter		5000 (l)	3.4	0.81	< 0.06	0.94	4
1095 Antimony, micrograms per liter		6 (m)	< 0.06	0.129	E 0.035	< 0.06	E 0.03

Water Quality Data for Selected RCWD Production Wells
Well Nos. 133, 157, 210, 217, and 232
2007

Code	Parameter	MCL	No. 133 9/17/2007	No. 157 9/17/2007	No. 210 9/18/2007	No. 217 9/19/2007	No. 232 9/18/2007
	Sampling date		1000 (n)	5.7	E 0.8	<1.6	4.3
1106	Aluminum, water, filtered, micrograms per liter					5.28	2.97
1130	Lithium, water, filtered, micrograms per liter					1.9	
1145	Selenium, micrograms per liter		50 (o)	1.1	0.45	1.3	<0.008
4022	Terbutylazine, water, filtered, recoverable, micrograms per liter						<0.026
4025	Hexazinone, water, filtered, recoverable, micrograms per liter						
4029	Bronacil, water, filtered, recoverable, micrograms per liter						
4035	Simazine, water, filtered, recoverable, micrograms per liter						E 0.005
4036	Prometryn, water, filtered, recoverable, micrograms per liter						<0.006
4037	Prometryn, water, filtered, recoverable, micrograms per liter						<0.01
4040	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, micrograms per liter						<0.014
4095	Fonofos, water, filtered, recoverable, micrograms per liter						<0.006
7000	Tritium, water, unfiltered, picocuries per liter						12.4
22703	Uranium, natural, micrograms per liter			3.58	18.9	16.6	1
29801	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, laboratory, milligrams per liter as calcium carbonate			2.57	2.55	2.84	2.35
30217	Dibromoethane, water, unfiltered, recoverable, micrograms per liter			148	151	163	167
32101	Bromodichloromethane, water, unfiltered, recoverable, micrograms per liter			<0.04	<0.04	<0.04	<0.04
32102	Tetrachloromethane, water, unfiltered, recoverable, micrograms per liter			E 0.062	<0.04	E 0.061	E 0.027
32103	1,2-Dichloroethane, water, unfiltered, recoverable, micrograms per liter			0.5	<0.08	<0.08	<0.08
32104	Tribromomethane, water, unfiltered, recoverable, micrograms per liter			<0.1	<0.1	<0.1	<0.1
32105	Dibromochloromethane, water, unfiltered, recoverable, micrograms per liter			<0.08	<0.08	<0.08	<0.08
32106	Trichloromethane, water, unfiltered, recoverable, micrograms per liter			<0.12	<0.12	<0.12	<0.12
34010	Toluene, water, unfiltered, recoverable, micrograms per liter			0.12	0.43	0.24	E 0.07
34030	Benzene, water, unfiltered, recoverable, micrograms per liter			150	<0.02	<0.02	<0.02
34215	Acrylonitrile, water, unfiltered, recoverable, micrograms per liter			1	<0.016	<0.016	<0.016
34221	Anthracene, water, filtered, recoverable, micrograms per liter			<0.4	<0.4	<0.4	<0.4
34248	Benzaldehyde, water, filtered, recoverable, micrograms per liter						
34288	Tribromomethane, water, filtered, recoverable, micrograms per liter						
34301	Chlorobenzene, water, unfiltered, recoverable, micrograms per liter			70	<0.02	<0.02	<0.02
34311	Chloroethane, water, unfiltered, recoverable, micrograms per liter			<0.1	<0.1	<0.1	<0.1
34371	Ethybenzene, water, unfiltered, recoverable, micrograms per liter			300	<0.02	<0.02	<0.02
34377	Fluoranthene, water, filtered, recoverable, micrograms per liter						
34396	Hexachloroethane, water, unfiltered, recoverable, micrograms per liter						
34409	Isophorone, water, filtered, recoverable, micrograms per liter						
34413	Bromomethane, water, unfiltered, recoverable, micrograms per liter			<0.4	<0.4	<0.4	<0.4
34418	Chloroethane, water, unfiltered, recoverable, micrograms per liter			<0.1	<0.1	<0.1	<0.1
34423	Dichloromethane, water, unfiltered, recoverable, micrograms per liter			5	<0.04	<0.04	<0.04
34443	Naphthalene, water, filtered, recoverable, micrograms per liter						
34462	Phenanthrene, water, filtered, recoverable, micrograms per liter						
34466	Pheno, water, filtered, recoverable, micrograms per liter						
34470	Pyrene, water, filtered, recoverable, micrograms per liter						
34475	Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter			5	<0.04	<0.04	<0.04
34476	Tetrachloroethene, water, filtered, recoverable, micrograms per liter						
34488	Trichloroformmethane, water, unfiltered, recoverable, micrograms per liter			150	<0.08	<0.08	<0.08
34496	1,1-Dichloroethane, water, unfiltered, recoverable, micrograms per liter			5	<0.06	<0.06	<0.06
34501	1,1-Dichloroethene, water, unfiltered, recoverable, micrograms per liter			6	<0.02	<0.02	<0.02
34506	1,1,1-Trichloroethane, water, unfiltered, recoverable, micrograms per liter			200	<0.04	<0.04	<0.04
34511	1,1,2-Trichloroethane, water, unfiltered, recoverable, micrograms per liter			5	<0.04	<0.04	<0.04
34516	1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter			1	<0.1	<0.1	<0.1
34536	1,2-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter			600	<0.04	<0.04	<0.04
34541	1,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter			5	<0.02	<0.02	<0.02
34546	trans-1,2-Dichloroethylene, water, unfiltered, recoverable, micrograms per liter			10	<0.018	<0.018	<0.018
34551	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter			5	<0.12	<0.12	<0.12
34566	1,3-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter			<0.04	<0.04	<0.04	<0.04

Water Quality Data for Selected RCWD Production Wells
Well Nos. 133, 157, 210, 217, and 232
2007

Code	Parameter	MCL	No. 133	No. 157	No. 210	No. 217	No. 232
		9/17/2007	9/17/2007	9/18/2007	9/19/2007	9/18/2007	9/19/2007
Sampling date							
34571	1,4-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter	5	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
34572	1,4-Dichlorobenzene, water, filtered, recoverable, micrograms per liter		< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
34668	Dichlorodifluoromethane, water, unfiltered, recoverable, micrograms per liter		< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
34696	Naphthalene, water, unfiltered, recoverable, micrograms per liter	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
34699	trans-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
34704	cis-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
38454	Diclofophos, water, filtered, recoverable, micrograms per liter						
38775	Dichlorvos, water, filtered, recoverable, micrograms per liter						< 0.01
38933	Chlorpyrifos, water, filtered, recoverable, micrograms per liter						< 0.005
39086	Alkalinity, water, filtered, incremental titration, field, milligrams per liter as calcium carbonate	0.5	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
39175	Vinyl chloride, water, unfiltered, recoverable, micrograms per liter	5	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
39180	Trichloroethene, water, unfiltered, recoverable, micrograms per liter						
39381	Dieldrin, water, filtered, recoverable, micrograms per liter						< 0.009
39415	Methylchloro, water, filtered, recoverable, micrograms per liter						< 0.01
39532	Malathion, water, filtered, recoverable, micrograms per liter						< 0.016
39572	Diazinon, water, filtered, recoverable, micrograms per liter						< 0.005
39632	Atrazine, water, filtered, recoverable, micrograms per liter		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
39702	Hexachlorobutadiene, water, unfiltered, recoverable, micrograms per liter						
46342	Alachlor, water, filtered, recoverable, micrograms per liter						< 0.006
49260	Acetochlor, water, filtered, recoverable, micrograms per liter						< 0.0882
49295	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						
49933	C-14, water, filtered, percent modern		69.82	87.36	94.08	76.99	99.84
49934	C-14, counting error, water, filtered, percent modern						
49991	Methyl acrylate, water, unfiltered, recoverable, micrograms per liter		< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
49999	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
50000	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter		< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
50002	Bromoethene, water, unfiltered, recoverable, micrograms per liter		< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
50004	tert-Butyl ethyl ether, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
50005	Methyl/tert-pentyl ether, water, unfiltered, recoverable, micrograms per liter		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
50305	Caffeine, water, filtered, recoverable, micrograms per liter						
50359	Metalaxyl, water, filtered, recoverable, micrograms per liter						
61209	Perchlorate, water, unfiltered, recoverable, micrograms per liter	6	0.57	< 0.5	0.73	1.1	1.6
61585	Cyfluthrin, water, filtered, recoverable, micrograms per liter						< 0.033
61586	Cypermethrin, water, filtered, recoverable, micrograms per liter						< 0.016
61591	Fenamiphos, water, filtered, recoverable, micrograms per liter						< 0.029
61593	Iprodione, water, filtered, recoverable, micrograms per liter						< 0.026
61594	Isofenphos, water, filtered, recoverable, micrograms per liter						< 0.011
61596	Metalaxyl, water, filtered, recoverable, micrograms per liter						< 0.007
61598	Methidathion, water, filtered, recoverable, micrograms per liter						< 0.009
61599	Myclobutanil, water, filtered, recoverable, micrograms per liter						< 0.033
61601	Phosmet, water, filtered, recoverable, micrograms per liter						< 0.008
61610	Tribufos, water, filtered, recoverable, micrograms per liter						< 0.035
61618	2-Chloro-2,6-diethylacetanilide, water, filtered, recoverable, micrograms per liter						< 0.007
61620	2-Ethyl-6-methyllaniline, water, filtered, recoverable, micrograms per liter						< 0.01
61625	3,4-Dichlorocanilone, water, filtered, recoverable, micrograms per liter						< 0.0045
61633	4-Chloro-2-methylphenol, water, filtered, recoverable, micrograms per liter						< 0.005
61635	Azinphos-methyl oxygen analog, water, filtered, recoverable, micrograms per liter						< 0.012
61636	Chlorpyrifos oxygen analog, water, filtered, recoverable, micrograms per liter						< 0.007
61644	Ethion monoxon, water, filtered, recoverable, micrograms per liter						< 0.021
61645	Fenamiphos sulfone, water, filtered, recoverable, micrograms per liter						< 0.053
61646	Fenamiphos sulfoxide, water, filtered, recoverable, micrograms per liter						< 0.06
61652	Malaoxon, water, filtered, recoverable, micrograms per liter						< 0.039
61664	Methyl paraoxon, water, filtered, recoverable, micrograms per liter						< 0.019

Water Quality Data for Selected RCWD Production Wells
Well Nos. 133, 157, 210, 217, and 232
2007

Code	Parameter	MCL	No. 133	No. 157	No. 210	No. 217	No. 232
	Sampling date		9/17/2007	9/17/2007	9/18/2007	9/19/2007	9/18/2007
61666	Phorate oxygen analog, water, filtered, recoverable, micrograms per liter					< 0.027	
61668	Phosmet oxygen analog, water, filtered, recoverable, micrograms per liter					< 0.0511	
61674	Terbufos oxygen analog sulfone, water, filtered, recoverable, micrograms per liter					< 0.045	
61705	Dietethoxytriphenyl, water, filtered, recoverable, micrograms per liter						
61706	Monooethoxytriphenyl, water, filtered, recoverable, micrograms per liter						
62005	Cotinine, water, filtered, recoverable, micrograms per liter						
62054	1-Methylnaphthalene, water, filtered, recoverable, micrograms per liter						
62055	2,6-Dimethylnaphthalene, water, filtered, recoverable, micrograms per liter						
62056	2-Methylnaphthalene, water, filtered, recoverable, micrograms per liter						
62057	3-beta-Coprostanol, water, filtered, recoverable, micrograms per liter						
62058	3-Methyl-1-H-indole, water, filtered, recoverable, micrograms per liter						
62059	3-tert-Butyl-4-hydroxyanisole, water, filtered, recoverable, micrograms per liter						
62060	4-Cumylphenol, water, filtered, recoverable, micrograms per liter						
62061	4-Octylphenol, water, filtered, recoverable, micrograms per liter						
62062	4-tert-Octylphenol, water, filtered, recoverable, micrograms per liter						
62063	5-Methyl-1-H-benzotrazole, water, filtered, recoverable, micrograms per liter						
62064	Acetophenone, water, filtered, recoverable, micrograms per liter						
62065	Acetyl hexamethyl tetrahydro naphthalene, water, filtered, recoverable, micrograms per liter						
62066	9,10-Anthraquinone, water, filtered, recoverable, micrograms per liter						
62067	Benzophenone, water, filtered, recoverable, micrograms per liter						
62068	beta-Sitosterol, water, filtered, recoverable, micrograms per liter						
62070	Camphor, water, filtered, recoverable, micrograms per liter						
62071	Carbazole, water, filtered, recoverable, micrograms per liter						
62072	Cholesterol, water, filtered, recoverable, micrograms per liter						
62073	D-Limonene, water, filtered, recoverable, micrograms per liter						
62075	Hexahydrohexamethyl cyclopentabenzopyran, water, filtered, recoverable, micrograms per liter						
62076	Indole, water, filtered, recoverable, micrograms per liter						
62077	Isoborneol, water, filtered, recoverable, micrograms per liter						
62078	Isopropylbenzene, water, filtered, recoverable, micrograms per liter						
62079	Isoquinoline, water, filtered, recoverable, micrograms per liter						
62080	Menthol, water, filtered, recoverable, micrograms per liter						
62081	Methyl salicylate, water, filtered, recoverable, micrograms per liter						
62082	DEET, water, filtered, recoverable, micrograms per liter						
62083	Dietethoxynonylphenol, water, filtered, recoverable, micrograms per liter						
62084	p-Cresol, water, filtered, recoverable, micrograms per liter						
62085	4-Nonylphenol, water, filtered, recoverable, micrograms per liter						
62086	beta-Stigmastanol, water, filtered, recoverable, micrograms per liter						
62087	Tris(2-chloroethyl) phosphate, water, filtered, recoverable, micrograms per liter						
62088	Tris(dichloroisopropyl) phosphate, water, filtered, recoverable, micrograms per liter						
62089	Tributyl phosphate, water, filtered, recoverable, micrograms per liter						
62090	Triclosan, water, filtered, recoverable, micrograms per liter						
62091	Triethyl citrate, water, filtered, recoverable, micrograms per liter						
62092	Triphenyl phosphate, water, filtered, recoverable, micrograms per liter						
62093	Tris(2-butoxyethyl) phosphate, water, filtered, recoverable, micrograms per liter						
62166	Fipronil, water, filtered, recoverable, micrograms per liter					< 0.016	
62167	Fipronil sulfide, water, filtered, recoverable, micrograms per liter					< 0.013	
62168	Fipronil sulfone, water, filtered, recoverable, micrograms per liter					< 0.024	
62169	Desulfurifipronil amide, water, filtered, recoverable, micrograms per liter					< 0.029	
62170	Desulfurifipronil, water, filtered, recoverable, micrograms per liter					< 0.012	
62854	Total nitrogen, (NH ₃ +NO ₂ +NO ₃ -Organic), filtered, milligrams per liter						
63790	Perchlorate, water, filtered, recoverable, micrograms per liter						
70300	Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter						
70301	Residue, water, filtered, sum of constituents, milligrams per liter						
		E 1500	E 481	565	603	428	597
			E 474	E 543	E 565	E 400	E 567

Water Quality Data for Selected RCWD Production Wells
Well Nos. 133, 157, 210, 217, and 232
2007

Code	Parameter	MCL	No. 133 9/17/2007	No. 157 9/17/2007	No. 210 9/18/2007	No. 217 9/19/2007	No. 232 9/18/2007
Sampling date							
70303 Residue, water, filtered, tons per acre-foot			< 0.026				
71846 Ammonia, water, filtered, milligrams per liter as NH ₄			0.465				
71851 Nitrate, water, filtered, milligrams per liter		45 (q)	< 0.007				
71856 Nitrite, water, filtered, milligrams per liter							
71865 Iodide, water, filtered, milligrams per liter							
71870 Bromide, water, filtered, milligrams per liter							
72019 Depth to water level, feet below land surface							
73547 trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, micrograms per liter			< 0.6	< 0.6		< 0.6	< 0.6
73570 Ethyl methacrylate, water, unfiltered, recoverable, micrograms per liter			< 0.14	< 0.14		< 0.14	< 0.14
75985 Tritium 2-sigma combined uncertainty, water, unfiltered, picocuries per liter			1	1.3		1	1.3
76002 Rn-222, 2-sigma combined uncertainty, water, unfiltered, picocuries per liter			20	21		23	21
77041 Carbon disulfide, water, unfiltered, micrograms per liter			< 0.1	< 0.1		< 0.1	< 0.1
cis-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter		6	< 0.02	< 0.02		< 0.02	< 0.02
n-Butyl methyl ketone, water, unfiltered, recoverable, micrograms per liter			< 0.4	< 0.4		< 0.4	< 0.4
Styrene, water, unfiltered, recoverable, micrograms per liter		100	< 0.04	< 0.04		< 0.04	< 0.04
o-Xylene, water, unfiltered, recoverable, micrograms per liter			< 0.04	< 0.04		< 0.04	< 0.04
1,1-Dichloropropene, water, unfiltered, recoverable, micrograms per liter			< 0.04	< 0.04		< 0.04	< 0.04
2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter			< 0.06	< 0.06		< 0.06	< 0.06
1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter			< 0.06	< 0.06		< 0.06	< 0.06
2-Ethyltoluene, water, unfiltered, recoverable, micrograms per liter			< 0.04	< 0.04		< 0.04	< 0.04
1,2,3-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter			< 0.08	< 0.08		< 0.08	< 0.08
1,2,4-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter			< 0.04	< 0.04		< 0.04	E 0.024
Isopropylbenzene, water, unfiltered, recoverable, micrograms per liter			< 0.04	< 0.04		< 0.04	< 0.04
n-Propylbenzene, water, unfiltered, recoverable, micrograms per liter			< 0.04	< 0.04		< 0.04	< 0.04
2-Ethyltoluene, water, unfiltered, recoverable, micrograms per liter			< 0.04	< 0.04		< 0.04	< 0.04
sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter			< 0.04	< 0.04		< 0.04	< 0.04
tert-Butylbenzene, water, unfiltered, recoverable, micrograms per liter			< 0.08	< 0.08		< 0.08	< 0.08
4-Isopropyltoluene, water, unfiltered, recoverable, micrograms per liter			< 0.08	< 0.08		< 0.08	< 0.08
Bromochloromethane, water, unfiltered, recoverable, micrograms per liter			< 0.06	< 0.06		< 0.06	< 0.06
n-Butylbenzene, water, unfiltered, recoverable, micrograms per liter			< 0.14	< 0.14		< 0.14	< 0.14
sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter			< 0.04	< 0.04		< 0.04	< 0.04
tert-Butylbenzene, water, unfiltered, recoverable, micrograms per liter			< 0.08	< 0.08		< 0.08	< 0.08
4-Isopropyltoluene, water, unfiltered, recoverable, micrograms per liter			< 0.08	< 0.08		< 0.08	< 0.08
Iodomethane, water, unfiltered, recoverable, micrograms per liter			< 0.4	< 0.4		< 0.4	< 0.4
77343 1,2,3-Trichloropropene, water, unfiltered, recoverable, micrograms per liter			< 0.12	< 0.12		< 0.12	< 0.12
77350 1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter			< 0.04	< 0.04		< 0.04	< 0.04
77353 1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter			< 0.12	< 0.12		< 0.12	< 0.12
77356 1,2-Dibromoethane, water, unfiltered, recoverable, micrograms per liter		0.05	< 0.04	< 0.04		< 0.04	< 0.04
77424 1,1,2-Trichloro-1,2-trifluoroethane, water, unfiltered, recoverable, micrograms per liter			< 0.04	< 0.04		< 0.04	< 0.04
77443 1,2,3-Trichloropropene, water, unfiltered, recoverable, micrograms per liter			< 0.1	< 0.1		< 0.1	< 0.1
77562 1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter			< 0.08	< 0.08		< 0.08	< 0.08
77613 Isobutyl methyl ketone, water, unfiltered, recoverable, micrograms per liter			< 0.2	< 0.2		< 0.2	< 0.2
77651 1,2-Dibromoethane, water, unfiltered, recoverable, micrograms per liter			< 6	< 6		< 6	< 6
77652 1,1,2-Trichloro-1,2-trifluoroethane, water, unfiltered, recoverable, micrograms per liter			< 0.02	< 0.02		< 0.02	< 0.02
78032 Methyl tert-butyl ether, water, unfiltered, recoverable, micrograms per liter			< 0.1	< 0.1		< 0.1	< 0.1
78109 3-Chloropropene, water, unfiltered, recoverable, micrograms per liter			< 0.06	< 0.06		< 0.06	< 0.06
78133 Isobutyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter			< 0.4	< 0.4		< 0.4	< 0.4
81552 Acetone, water, unfiltered, recoverable, micrograms per liter			< 1.6	< 1.6		< 1.6	< 1.6
81555 Bromobenzene, water, unfiltered, recoverable, micrograms per liter			< 0.2	< 0.2		< 0.2	< 0.2
81576 Diethyl ether, water, unfiltered, recoverable, micrograms per liter			< 0.1	< 0.1		< 0.1	< 0.1
81577 Diisopropyl ether, water, unfiltered, recoverable, micrograms per liter			< 0.06	< 0.06		< 0.06	< 0.06
81593 Methyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter			< 0.4	< 0.4		< 0.4	< 0.4
81595 Ethyl methyl ketone, water, unfiltered, recoverable, micrograms per liter			< 1.6	< 1.6		< 1.6	< 1.6
81607 Methyl methacrylate, water, unfiltered, recoverable, micrograms per liter			< 0.2	< 0.2		< 0.2	< 0.2
82081 C-13/C-12 ratio, water, unfiltered, per mil			< 1	< 1		< 1	< 1
82082 Deuterium/P-Protium ratio, water, unfiltered, per mil			-12.5	-10.73	-10.92	-14.89	-10.92
82085 Oxygen-18/Oxygen-16 ratio, water, unfiltered, per mil			-48	-82.4	-75.5	-47.4	-66.6
82303 Rn-222, water, unfiltered, picocuries per liter			-6.71	-10.13	-9.49	-7.05	-8.43
			250	240	250	340	200

**Water Quality Data for Selected RCWD Production Wells
Well Nos. 133, 157, 210, 217, and 232
2007**

Code	Parameter	MCL	No. 133	No. 157	No. 210	No. 217	No. 232
			9/17/2007	9/17/2007	9/18/2007	9/19/2007	9/18/2007
Sampling date							
82346	Ethion, water, filtered, recoverable, micrograms per liter			< 0.5	< 0.5	< 0.5	< 0.5
82625	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, micrograms per liter						< 0.5
82630	Metrizban, water, filtered, recoverable, micrograms per liter						< 0.5
82660	2,6-Diethylaniline, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						< 0.012
82661	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						< 0.006
82662	Dimethoate, water filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						< 0.0061
82664	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						< 0.02
82667	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						< 0.008
82670	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						< 0.016
82673	Benthiolin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						< 0.01
82675	Terbutos, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						< 0.012
82676	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						< 0.004
82680	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						< 0.06
82682	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						< 0.003
82683	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						< 0.02
82686	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						< 0.08
82687	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter						< 0.01
85795	m-Xylene plus p-Xylene, water, unfiltered, recoverable, micrograms per liter		< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
90095	Specific conductance, water, unfiltered, recoverable, microsiemens per centimeter at 25 degrees Celsius						
90851	Trihalomethanes, water, unfiltered, calc'd, micrograms per liter						
90867	Trihalomethanes, water, unfiltered, calc'd, micrograms per liter						
99583	Bisphenol A-d3, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99584	Caffeine-13C, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99585	Decafluorobiphenyl, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99586	Fluoranthene-d10, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery						
99832	1,2-Dichloroethane-d4, surrogate, Schedule 2090, water, unfiltered, percent recovery						
99833	Toluene-d8, surrogate, Schedule 2090, water, unfiltered, percent recovery						
99834	1-Bromo-4-fluorobenzene, surrogate, VOC schedules, water, unfiltered, percent recovery						
99994	Diazinon-d10, surrogate, Schedule 2003, water, filtered, percent recovery						
99995	alpha-HCH-d6, surrogate, Schedule 2003, water, filtered, percent recovery						

Notes:

U.S. EPA STORET numbers for MCLs correspond to the same as the USGS NWIS data parameter number except as follows:

- (a) MCL shown for U.S. EPA STORET No. 620.
- (b) MCL shown for U.S. EPASTORET No. 951.
- (c) MCL shown for U.S. EPA STORET No. 1002.
- (d) MCL shown for U.S. EPA STORET No. 1007.
- (e) MCL shown for U.S. EPA STORET No. 1012.
- (f) MCL shown for U.S. EPA STORET No. 1027.
- (g) MCL shown for U.S. EPA STORET No. 1034.
- (h) MCL shown for U.S. EPA STORET No. 1042.
- (i) MCL shown for U.S. EPA STORET No. 1059.
- (j) MCL shown for U.S. EPA STORET No. 1067.
- (k) MCL shown for U.S. EPASTORET No. 1077.
- (l) MCL shown for U.S. EPA STORET No. 1092.
- (m) MCL shown for U.S. EPA STORET No. 1097.
- (n) MCL shown for U.S. EPA STORET No. 1105.
- (o) MCL shown for U.S. EPA STORET No. 1147.
- (p) MCL shown for U.S. EPA STORET No. 3247.
- (q) MCL shown for U.S. EPA STORET No. 71850.

Code--Data parameter number used in USGS National Water Information System (NWIS).

E--Estimated.

M--Presence verified but not quantified.

MCL--Maximum Contaminant Level reported by California DHS (May 25, 2007 Database) for U.S. EPA STORET number.

V--Biased results from contamination.

Water Quality Data for Selected RCWD Production Wells
Well Nos. 109, 110, 133, and 157
2012

Code	Parameter	MCL	No. 109 8/21/2012	No. 110 8/21/2012	No. 133 8/21/2012	No. 157 8/21/2012
Sampling date						
3 Sampling depth, feet			20.9	19.3	20.2	23.4
10 Temperature, water, degrees Celsius			80020	80020	80020	80020
28 Agency analyzing sample, code						
59 Flow rate, instantaneous, gallons per minute						
95 Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius		1250	614	835	720	
191 Hydrogen ion, water, unfiltered, calculated, milligrams per liter		0.00006	0.00002	0.00001	M	
300 Dissolved oxygen, water, unfiltered, milligrams per liter		3.7	1.4	1.8	0.6	
400 pH, water, unfiltered, field, standard units		7.2	7.7	8	7.5	
403 pH, water, unfiltered, laboratory, standard units		7.5	7.8	8	7.8	
405 Carbon dioxide, water, unfiltered, milligrams per liter		29	4.5	1.8	7.6	
453 Bicarbonate, water, filtered, incremental titration, field, milligrams per liter		286	140	113	149	
602 Total nitrogen, water, filtered, milligrams per liter		< 3.7	< 0.41	< 0.80	< 0.26	
607 Organic nitrogen, water, filtered, milligrams per liter		< 0.07	< 0.07	< 0.07	< 0.07	
608 Ammonia, water, filtered, milligrams per liter as nitrogen		< 0.010	< 0.010	< 0.010	< 0.010	
613 Nitrite, water, filtered, milligrams per liter as nitrogen	1 (a)	< 0.001	< 0.001	0.003	< 0.001	
618 Nitrate, water, filtered, milligrams per liter as nitrogen		3.64	0.342	0.724	0.195	
623 Ammonia plus organic nitrogen, water, filtered, milligrams per liter as nitrogen		< 0.07	< 0.07	< 0.07	< 0.07	
631 Nitrate plus nitrite, water, filtered, milligrams per liter as nitrogen		3.64	0.342	0.727	0.195	
660 Orthophosphate, water, filtered, milligrams per liter		0.135	0.24	0.04	0.108	
666 Phosphorus, water, filtered, milligrams per liter		0.03	0.07	< 0.02	0.03	
671 Orthophosphate, water, filtered, milligrams per liter as phosphorus		0.044	0.078	0.013	0.035	
900 Hardness, water, milligrams per liter as calcium carbonate		402	159	137	211	
904 Noncarb hardness, water filtered field, milligrams per liter as calcium carbonate		167	43	43	88	
905 Noncarb hardness, water filtered lab, milligrams per liter as calcium carbonate		177	41	87	87	
915 Calcium, water, filtered, milligrams per liter		118.0	39.6	32.6	53	
925 Magnesium, water, filtered, milligrams per liter		25.9	14.4	13.3	19	
930 Sodium, water, filtered, milligrams per liter		126	67.5	127	69	
931 Sodium adsorption ratio, water, number		2.73	2.33	4.75	2.07	
932 Sodium fraction of cations, water, percent in equivalents of major cations		40	47	66	41	
935 Potassium, water, filtered, milligrams per liter		3.84	3.72	2.95	4.47	
940 Chloride, water, filtered, milligrams per liter		600	127	63.4	72	
945 Sulfate, water, filtered, milligrams per liter		600	235	88.8	110	
950 Fluoride, water, filtered, milligrams per liter	2 (b)	0.18	0.35	0.51	0.21	
955 Silica, water, filtered, milligrams per liter		33.9	15.4	27.8	12.4	
1000 Arsenic, water, filtered, micrograms per liter	10 (c)	0.97	0.9	1.5	0.45	
1005 Barium, water, filtered, micrograms per liter	1000 (d)	31.1	21.9	55	37.3	
1010 Beryllium, micrograms per liter	4 (e)					
1020 Boron, water, filtered, micrograms per liter		175	156	438	142	
1025 Cadmium, micrograms per liter	5 (f)					
1030 Chromium, micrograms per liter	50 (g)					
1035 Cobalt, micrograms per liter						
1040 Copper, micrograms per liter						
1046 Iron, water, filtered, micrograms per liter	1000 (h)					
1049 Lead, micrograms per liter	300	8	< 3.7	16.7	3.6	
1056 Manganese, water, filtered, micrograms per liter		< 0.16	< 0.16	0.93	20.4	
1057 Thallium, micrograms per liter	2 (i)					
1060 Molybdenum, micrograms per liter						
1065 Nickel, micrograms per liter	100 (j)					
1075 Silver, micrograms per liter	100 (k)					
1080 Strontium, water, filtered, micrograms per liter	819	294		480	63	
1085 Vanadium, micrograms per liter						
1090 Zinc, micrograms per liter	5000 (l)					
1095 Antimony, micrograms per liter	6 (m)					

Water Quality Data for Selected RCWD Production Wells
Well Nos. 109, 110, 133, and 157
2012

Code	Parameter	MCL	No. 109	No. 110	No. 133	No. 157
	Sampling date		8/21/2012	8/21/2012	8/21/2012	8/21/2012
1106	Aluminum, water, filtered, micrograms per liter		1000 (n)	< 6.6	< 6.6	< 2.2
1130	Lithium, water, filtered, micrograms per liter		10.7	5.26	8.95	27.5
1145	Selenium, micrograms per liter		50 (o)			
4022	Terbutylazine, water, filtered, recoverable, micrograms per liter					
4025	Hexazinone, water, filtered, recoverable, micrograms per liter					
4029	Bronacil, water, filtered, recoverable, micrograms per liter					
4035	Simazine, water, filtered, recoverable, micrograms per liter					
4036	Prometryn, water, filtered, recoverable, micrograms per liter					
4037	Prometryn, water, filtered, recoverable, micrograms per liter					
4040	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, micrograms per liter					
4095	Fonofos, water, filtered, recoverable, micrograms per liter					
7000	Tritium, water, unfiltered, picocuries per liter			3.3		
22703	Uranium, natural, micrograms per liter					
29801	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, laboratory, milligrams per liter as calcium carbonate		225	118	156	124
30217	Dibromoethane, water, unfiltered, recoverable, micrograms per liter					
32101	Bromodichloromethane, water, unfiltered, recoverable, micrograms per liter					
32102	Tetrachloromethane, water, unfiltered, recoverable, micrograms per liter					
32103	1,2-Dichloroethane, water, unfiltered, recoverable, micrograms per liter					
32104	Tri bromomethane, water, unfiltered, recoverable, micrograms per liter					
32105	Dibromochloromethane, water, unfiltered, recoverable, micrograms per liter					
32106	Trichloromethane, water, unfiltered, recoverable, micrograms per liter					
34010	Toluene, water, unfiltered, recoverable, micrograms per liter		150	1		
34030	Benzene, water, unfiltered, recoverable, micrograms per liter					
34215	Acrylonitrile, water, unfiltered, recoverable, micrograms per liter					
34221	Anthracene, water, filtered, recoverable, micrograms per liter					
34248	Benzolalpyrene, water, filtered, recoverable, micrograms per liter					
34288	Tribromomethane, water, filtered, recoverable, micrograms per liter					
34301	Chlorobenzene, water, unfiltered, recoverable, micrograms per liter					
34311	Chloroethane, water, unfiltered, recoverable, micrograms per liter					
34371	Ethybenzene, water, unfiltered, recoverable, micrograms per liter					
34377	Fluoranthene, water, filtered, recoverable, micrograms per liter					
34396	Hexachloroethane, water, unfiltered, recoverable, micrograms per liter					
34409	Isophorone, water, filtered, recoverable, micrograms per liter					
34413	Bromomethane, water, unfiltered, recoverable, micrograms per liter					
34418	Chloromethane, water, unfiltered, recoverable, micrograms per liter					
34423	Dichloromethane, water, unfiltered, recoverable, micrograms per liter					
34443	Naphthalene, water, filtered, recoverable, micrograms per liter					
34462	Phenanthrene, water, filtered, recoverable, micrograms per liter					
34466	Pheno, water, filtered, recoverable, micrograms per liter					
34470	Pyrene, water, filtered, recoverable, micrograms per liter					
34475	Tetrachloroethene, water, unfiltered, recoverable, micrograms per liter					
34476	Tetrachloroethene, water, filtered, recoverable, micrograms per liter					
34488	Trichlorofluoromethane, water, unfiltered, recoverable, micrograms per liter					
34496	1,1-Dichloroethane, water, unfiltered, recoverable, micrograms per liter					
34501	1,1-Dichloroethene, water, unfiltered, recoverable, micrograms per liter					
34506	1,1,1-Trichloroethane, water, unfiltered, recoverable, micrograms per liter					
34511	1,1,2-Trichloroethane, water, unfiltered, recoverable, micrograms per liter					
34516	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter					
34536	1,2-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter					
34541	1,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter					
34546	trans-1,2-Dichloroethylene, water, unfiltered, recoverable, micrograms per liter					
34551	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter					
34566	1,3-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter					

Water Quality Data for Selected RCWD Production Wells
Well Nos. 109, 110, 133, and 157
2012

Code	Parameter	MCL	No. 109	No. 110	No. 133	No. 157
	Sampling date		8/21/2012	8/21/2012	8/21/2012	8/21/2012
34571	1,4-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter		5			
34572	1,4-Dichlorobenzene, water, filtered, recoverable, micrograms per liter					
34668	Dichlorodifluoromethane, water, unfiltered, recoverable, micrograms per liter					
34696	Naphthalene, water, unfiltered, recoverable, micrograms per liter					
34699	trans-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5				
34704	cis-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5				
38454	Diclofophos, water, filtered, recoverable, micrograms per liter	0.5				
38775	Dichlorvos, water, filtered, recoverable, micrograms per liter					
38933	Chlorpyrifos, water, filtered, recoverable, micrograms per liter					
39086	Alkalinity, water, filtered, incremental titration, field, milligrams per liter as calcium carbonate					
39175	Vinyl chloride, water, unfiltered, recoverable, micrograms per liter	0.5				
39180	Trichloroethylene, water, unfiltered, recoverable, micrograms per liter	5				
39381	Dieldrin, water, filtered, recoverable, micrograms per liter					
39415	Metabolachlor, water, filtered, recoverable, micrograms per liter					
39532	Malathion, water, filtered, recoverable, micrograms per liter					
39572	Diazinon, water, filtered, recoverable, micrograms per liter					
39632	Atrazine, water, filtered, recoverable, micrograms per liter					
39702	Hexachlorobutadiene, water, unfiltered, recoverable, micrograms per liter					
46342	Alachlor, water, filtered, recoverable, micrograms per liter					
49260	Acetochlor, water, filtered, recoverable, micrograms per liter					
49295	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
49933	C-14, water, filtered, percent modern		94.97			
49934	C-14, counting error, water, filtered, percent modern		0.28			
49991	Methyl acrylate, water, unfiltered, recoverable, micrograms per liter					
49999	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter					
50000	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter					
50002	Bromoethene, water, unfiltered, recoverable, micrograms per liter					
50004	tert-Butyl ethyl ether, water, unfiltered, recoverable, micrograms per liter					
50005	Methyl tert-pentyl ether, water, unfiltered, recoverable, micrograms per liter					
50305	Caffeine, water, filtered, recoverable, micrograms per liter					
50359	Metalsaxyl, water, filtered, recoverable, micrograms per liter					
61209	Perchlorate, water, unfiltered, recoverable, micrograms per liter		6			
61585	Cyfluthrin, water, filtered, recoverable, micrograms per liter					
61586	Cypermethrin, water, filtered, recoverable, micrograms per liter					
61591	Fenamiphos, water, filtered, recoverable, micrograms per liter					
61593	Iprodione, water, filtered, recoverable, micrograms per liter					
61594	Isofenphos, water, filtered, recoverable, micrograms per liter					
61596	Metalsaxyl, water, filtered, recoverable, micrograms per liter					
61598	Methidathion, water, filtered, recoverable, micrograms per liter					
61599	Myclobutanil, water, filtered, recoverable, micrograms per liter					
61601	Phosmet, water, filtered, recoverable, micrograms per liter					
61610	Tribufos, water, filtered, recoverable, micrograms per liter					
61618	2-Chloro-2,6-diethylacetanilide, water, filtered, recoverable, micrograms per liter					
61620	2-Ethyl-6-methylaniline, water, filtered, recoverable, micrograms per liter					
61625	3,4-Dichloroaniline, water, filtered, recoverable, micrograms per liter					
61633	4-Chloro-2-methylphenol, water, filtered, recoverable, micrograms per liter					
61635	Azinphos-methyl oxygen analog, water, filtered, recoverable, micrograms per liter					
61636	Chlopyrifos oxon, water, filtered, recoverable, micrograms per liter					
61644	Ethion monox, water, filtered, recoverable, micrograms per liter					
61645	Fenamiphos sulfone, water, filtered, recoverable, micrograms per liter					
61646	Fenamiphos sulfoxide, water, filtered, recoverable, micrograms per liter					
61652	Malaoxon, water, filtered, recoverable, micrograms per liter					
61664	Methyl paraoxon, water, filtered, recoverable, micrograms per liter					

Water Quality Data for Selected RCWD Production Wells
Well Nos. 109, 110, 133, and 157
2012

Code	Parameter	MCL	No. 109	No. 110	No. 133	No. 157
Sampling date			8/21/2012	8/21/2012	8/21/2012	8/21/2012
61666	Phorate oxygen analog, water, filtered, recoverable, micrograms per liter					
61668	Phosmet oxygen analog, water, filtered, recoverable, micrograms per liter					
61674	Terbufos oxygen analog sulfone, water, filtered, recoverable, micrograms per liter					
61705	Diethoxyoctylphenol, water, filtered, recoverable, micrograms per liter					
61706	Monooethoxyoctylphenol, water, filtered, recoverable, micrograms per liter					
62005	Cotinine, water, filtered, recoverable, micrograms per liter					
62054	1-Methylnaphthalene, water, filtered, recoverable, micrograms per liter					
62055	2,6-Dimethylnaphthalene, water, filtered, recoverable, micrograms per liter					
62056	2-Methylnaphthalene, water, filtered, recoverable, micrograms per liter					
62057	3-beta-Coprostanol, water, filtered, recoverable, micrograms per liter					
62058	3-Methyl-1H-indole, water, filtered, recoverable, micrograms per liter					
62059	3-tert-Butyl-4-hydroxyanisole, water, filtered, recoverable, micrograms per liter					
62060	4-Cumylphenol, water, filtered, recoverable, micrograms per liter					
62061	4-Octylphenol, water, filtered, recoverable, micrograms per liter					
62062	4-tert-Octylphenol, water, filtered, recoverable, micrograms per liter					
62063	5-Methyl-1H-benzotrazole, water, filtered, recoverable, micrograms per liter					
62064	Acetophenone, water, filtered, recoverable, micrograms per liter					
62065	Acetyl hexamethyl tetrahydro naphthalene, water, filtered, recoverable, micrograms per liter					
62066	9,10-Anthraquinone, water, filtered, recoverable, micrograms per liter					
62067	Benzophenone, water, filtered, recoverable, micrograms per liter					
62068	beta-Sitosterol, water, filtered, recoverable, micrograms per liter					
62070	Camphor, water, filtered, recoverable, micrograms per liter					
62071	Carbazole, water, filtered, recoverable, micrograms per liter					
62072	Cholesterol, water, filtered, recoverable, micrograms per liter					
62073	D-Limonene, water, filtered, recoverable, micrograms per liter					
62075	Hexahydrohexamethyl cyclopentabenzyopyran, water, filtered, recoverable, micrograms per liter					
62076	Indole, water, filtered, recoverable, micrograms per liter					
62077	Isoborneol, water, filtered, recoverable, micrograms per liter					
62078	Isopropylbenzene, water, filtered, recoverable, micrograms per liter					
62079	Isoquinaline, water, filtered, recoverable, micrograms per liter					
62080	Menthol, water, filtered, recoverable, micrograms per liter					
62081	Methyl salicylate, water, filtered, recoverable, micrograms per liter					
62082	DEET, water, filtered, recoverable, micrograms per liter					
62083	Diethoxynonylphenol, water, filtered, recoverable, micrograms per liter					
62084	p-Cresol, water, filtered, recoverable, micrograms per liter					
62085	4-Nonylphenol, water, filtered, recoverable, micrograms per liter					
62086	beta-Stigmastanol, water, filtered, recoverable, micrograms per liter					
62087	Tris(2-chloroethyl) phosphate, water, filtered, recoverable, micrograms per liter					
62088	Tris(dichloroisopropyl) phosphate, water, filtered, recoverable, micrograms per liter					
62089	Tributyl phosphate, water, filtered, recoverable, micrograms per liter					
62090	Tricosan, water, filtered, recoverable, micrograms per liter					
62091	Triethyl citrate, water, filtered, recoverable, micrograms per liter					
62092	Triphenyl, water, filtered, recoverable, micrograms per liter					
62093	Tris(2-butoxyethyl) phosphate, water, filtered, recoverable, micrograms per liter					
62166	Fipronil, water, filtered, recoverable, micrograms per liter					
62167	Fipronil sulfide, water, filtered, recoverable, micrograms per liter					
62168	Fipronil sulfone, water, filtered, recoverable, micrograms per liter					
62169	Desulfurifipronil amide, water, filtered, recoverable, micrograms per liter					
62170	Desulfurifipronil, water, filtered, recoverable, micrograms per liter					
62854	Total nitrogen, (NH ₃ +NO ₂ +NO ₃ -Organic), filtered, milligrams per liter	6				
63790	Perchlorate, water, filtered, recoverable, micrograms per liter					
70300	Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter	1500	826	363	511	432
70301	Residue, water, filtered, sum of constituents, milligrams per liter		828	365	476	434

Water Quality Data for Selected RCWD Production Wells
Well Nos. 109, 110, 133, and 157
2012

Code	Parameter	MCL	No. 109 8/21/2012	No. 110 8/21/2012	No. 133 8/21/2012	No. 157 8/21/2012
	Sampling date					
70303	Residue, water, filtered, tons per acre-foot					
771846	Ammonia, water, filtered, milligrams per liter as NH ₄		< 0.013	< 0.013	< 0.013	< 0.013
71851	Nitrate, water, filtered, milligrams per liter	45 (q)	16.1	1.52	3.21	0.861
71856	Nitrite, water, filtered, milligrams per liter		< 0.003	0.009	0.009	< 0.003
71865	Iodide, water, filtered, milligrams per liter		0.008	0.002	0.003	0.015
71870	Bromide, water, filtered, milligrams per liter		0.502	0.13	0.313	0.125
72019	Depth to water level, feet below land surface					
73547	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, micrograms per liter					
73570	Ethyl methacrylate, water, unfiltered, recoverable, micrograms per liter					
75985	Tritium 2-sigma combined uncertainty, water, unfiltered, picocuries per liter					
76002	Rn-222, 2-sigma combined uncertainty, water, unfiltered, picocuries per liter					
77041	Carbon disulfide, water, unfiltered, micrograms per liter					
77093	cis-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter		6			
77103	n-Butyl methyl ketone, water, unfiltered, recoverable, micrograms per liter					
77128	Styrene, water, unfiltered, recoverable, micrograms per liter		100			
77135	o-Xylene, water, unfiltered, recoverable, micrograms per liter					
77168	1,1-Dichloropropene, water, unfiltered, recoverable, micrograms per liter					
77170	2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter					
77173	1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter					
77220	2-Ethyltoluene, water, unfiltered, recoverable, micrograms per liter					
77221	1,2,3-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter					
77222	1,2,4-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter					
77223	Isopropylbenzene, water, unfiltered, recoverable, micrograms per liter					
77224	n-Propylbenzene, water, unfiltered, recoverable, micrograms per liter					
77226	1,3,5-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter					
77227	2-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter					
77227	4-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter					
77229	Bromoform, water, unfiltered, recoverable, micrograms per liter					
77342	n-Butylbenzene, water, unfiltered, recoverable, micrograms per liter					
77350	sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter					
77353	tert-Butylbenzene, water, unfiltered, recoverable, micrograms per liter					
77356	4-Isopropyltoluene, water, unfiltered, recoverable, micrograms per liter					
77424	Iodomethane, water, unfiltered, recoverable, micrograms per liter					
77443	1,2,3-Trichloropropene, water, unfiltered, recoverable, micrograms per liter					
77562	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter					
77613	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter					
77651	1,2-Dibromoethane, water, unfiltered, recoverable, micrograms per liter		0.05			
77652	1,1,2-Trichloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, micrograms per liter					
78032	Methyl tert-butyl ether, water, unfiltered, recoverable, micrograms per liter					
78109	3-Chloropropene, water, unfiltered, recoverable, micrograms per liter					
78133	Isobutyl methyl ketone, water, unfiltered, recoverable, micrograms per liter					
81552	Acetone, water, unfiltered, recoverable, micrograms per liter					
81555	Bromobenzene, water, unfiltered, recoverable, micrograms per liter					
81576	Diethyl ether, water, unfiltered, recoverable, micrograms per liter					
81577	Diospropyl ether, water, unfiltered, recoverable, micrograms per liter					
81593	Methyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter					
81595	Ethy methyl ketone, water, unfiltered, recoverable, micrograms per liter					
81597	Methyl methacrylate, water, unfiltered, recoverable, micrograms per liter					
81607	Tetrahydrofuran, water, unfiltered, recoverable, micrograms per liter					
82081	C-13/C-12 ratio, water, unfiltered, per mil		-15.19			
82082	Deuterium/Potassium ratio, water, unfiltered, per mil		-47.6	-72.7	-54	-81.5
82085	Oxygen-18/Oxygen-16 ratio, water, unfiltered, per mil		-6.63	-9.08	-7.14	-9.84
82303	Rn-222, water, unfiltered, picocuries per liter					

**Water Quality Data for Selected RCWD Production Wells
Well Nos. 109, 110, 133, and 157
2012**

Code	Parameter	MCL	No. 109	No. 110	No. 133	No. 157
			8/21/2012	8/21/2012	8/21/2012	8/21/2012
82346	Ethion, water, filtered, recoverable, micrograms per liter					
82625	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, micrograms per liter					
82630	Metrizoin, water, filtered, recoverable, micrograms per liter					
82660	2,6-Diethylvaniline, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82661	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82662	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82664	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82667	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82670	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82673	Benthiolin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82675	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82676	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82680	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82682	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82683	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82686	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
82687	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter					
85795	m-Xylene plus p-xylene, water, unfiltered, recoverable, micrograms per liter					
90095	Specific conductance, water, unfiltered, laboratory, microsiemens per centimeter at 25 degrees Celsius					
90851	Trihalomethanes, water, unfiltered, calcd, micrograms per liter					
90867	Trihalomethanes, water, unfiltered, calcd, micrograms per liter					
99583	Bisphenol A-d3, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery					
99584	Caffeine-d3C, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery					
99585	Decafluorobiphenyl, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery					
99586	Fluoranthene-d10, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery					
99832	1,2-Dichloroethane-d4, surrogate, Schedule 2090, water, unfiltered, percent recovery					
99833	Toluene-d8, surrogate, Schedule 2090, water, unfiltered, percent recovery					
99834	1-Bromo-4-fluorobenzene, surrogate, VOC schedules, water, unfiltered, percent recovery					
99994	Diazinon-d10, surrogate, Schedule 2003, water, filtered, percent recovery					
99995	alpha-HCH-d6, surrogate, Schedule 2003, water, filtered, percent recovery					

Notes:

- U.S. EPA STORET numbers for MCLs correspond to the same as the USGS NWIS data parameter number except as follows:
 - (a) MCL shown for U.S. EPA STORET No. 620.
 - (b) MCL shown for U.S. EPASTORET No. 1077.
 - (c) MCL shown for U.S. EPA STORET No. 1002.
 - (d) MCL shown for U.S. EPA STORET No. 1007.
 - (e) MCL shown for U.S. EPA STORET No. 1012.
 - (f) MCL shown for U.S. EPA STORET No. 1027.
 - (g) MCL shown for U.S. EPA STORET No. 1034.
 - (h) MCL shown for U.S. EPA STORET No. 1042.
 - (i) MCL shown for U.S. EPA STORET No. 1059.
 - (j) MCL shown for U.S. EPA STORET No. 1067.
 - (k) MCL shown for U.S. EPASTORET No. 1092.
 - (l) MCL shown for U.S. EPA STORET No. 1097.
 - (m) MCL shown for U.S. EPA STORET No. 1105.
 - (n) MCL shown for U.S. EPA STORET No. 1147.
 - (o) MCL shown for U.S. EPA STORET No. 3247.
 - (p) MCL shown for U.S. EPA STORET No. 71850.

Code--Data parameter number used in USGS National Water Information System (NWIS).

E--Estimated.

M--Presence verified but not quantified.

MCL--Maximum Contaminant Level reported by California DHS (May 25, 2007 Database) for U.S. EPA STORET number.

V--Biased results from contamination.

Water Quality Data for Selected RCWD Production Wells
Well Nos. 203, 210, and 234
2012

Code	Parameter	MCL	No. 203 8/22/2012	No. 210 8/22/2012	No. 234 8/21/2012
	Sampling date				
3	Sampling depth, feet		22.7	22.7	20.5
10	Temperature, water, degrees Celsius				
28	Agency analyzing sample, code		80020	80020	80020
59	Flow rate, instantaneous, gallons per minute				
95	Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius		743	848	992
191	Hydrogen ion, water, unfiltered, calculated, milligrams per liter	M	0.00003	0.00003	
300	Dissolved oxygen, water, unfiltered, milligrams per liter		2.3	3.8	4.8
400	pH, water, unfiltered, field, standard units		8.6	7.5	7.5
403	pH, water, unfiltered, laboratory, standard units		8.5	7.7	7.6
405	Carbon dioxide, water, unfiltered, milligrams per liter		0.8	9.6	12
453	Bicarbonate, water, filtered, incremental titration, field, milligrams per liter		185	188	238
602	Total nitrogen, water, filtered, milligrams per liter		< 0.88	< 3.0	< 5.0
607	Organic nitrogen, water, filtered, milligrams per liter		< 0.07	< 0.07	< 0.07
608	Amonnia, water, filtered, milligrams per liter as nitrogen		< 0.010	< 0.010	< 0.010
613	Nitrite, water, filtered, milligrams per liter as nitrogen	1 (a)	< 0.001	< 0.001	< 0.001
618	Nitrate, water, filtered, milligrams per liter as nitrogen		0.814	2.97	4.97
623	Amonnia plus organic nitrogen, water, filtered, milligrams per liter as nitrogen		< 0.07	< 0.07	< 0.07
631	Nitrate plus nitrite, water, filtered, milligrams per liter as nitrogen		0.814	2.97	4.97
660	Orthophosphate, water, filtered, milligrams per liter		0.049	0.269	0.318
666	Phosphorus, water, filtered, milligrams per liter		< 0.02	0.08	0.09
671	Orthophosphate, water, filtered, milligrams per liter as phosphorus		0.016	0.088	0.104
900	Harcness, water, milligrams per liter as calcium carbonate		116	240	277
904	Noncarb hardness, water filtered field, milligrams per liter as calcium carbonate		85	82	
905	Noncarb hardness, water filtered lab, milligrams per liter as calcium carbonate		84	80	
915	Calcium, water, filtered, milligrams per liter		21	62.9	76.2
925	Magnesium, water, filtered, milligrams per liter		15.2	20	21.1
930	Sodium, water, filtered, milligrams per liter		119	88.5	108
931	Sodium adsorption ratio, water, number		4.84	2.49	2.82
932	Sodium fraction of cations, water, percent in equivalents of major cations		69	44	45
935	Potassium, water, filtered, milligrams per liter		1.81	5.36	4.36
940	Chloride, water, filtered, milligrams per liter		600	77.4	83.2
945	Sulfate, water, filtered, milligrams per liter		600	93.9	143
950	Fluoride, water, filtered, milligrams per liter	2 (b)	1.33	0.48	0.49
955	Silica, water, filtered, milligrams per liter		20.4	22.7	29.2
1000	Arsenic, water, filtered, micrograms per liter	10 (c)	8	0.99	1.3
1005	Barium, water, filtered, micrograms per liter	1000 (d)	27.5	41.5	46.2
1010	Beryllium, micrograms per liter	4 (e)			
1020	Boron, water, filtered, micrograms per liter		834	141	172
1025	Cadmium, micrograms per liter	5 (f)			
1030	Chromium, micrograms per liter	50 (g)			
1035	Cobalt, micrograms per liter				
1040	Copper, micrograms per liter		1000 (h)		
1046	Iron, water, filtered, micrograms per liter		300	3.5	< 3.2
1049	Lead, micrograms per liter				9.2
1056	Manganese, water, filtered, micrograms per liter		50	< 0.16	< 0.16
1057	Thallium, micrograms per liter		2 (i)		0.17
1060	Molybdenum, micrograms per liter				
1065	Nickel, micrograms per liter		100 (j)		
1075	Silver, micrograms per liter		100 (k)		
1080	Strontium, water, filtered, micrograms per liter		300	315	378
1085	Vanadium, micrograms per liter				
1090	Zinc, micrograms per liter		5000 (l)		
1095	Antimony, micrograms per liter		6 (m)		

Water Quality Data for Selected RCWD Production Wells
Well Nos. 203, 210, and 234
2012

Code	Parameter	MCL	No. 203	No. 210	No. 234
	Sampling date		8/22/2012	8/22/2012	8/21/2012
1106	Aluminum, water, filtered, micrograms per liter		< 6.6	< 6.6	< 2.2
1130	Lithium, water, filtered, micrograms per liter		4.04	3.75	5.68
1145	Selenium, micrograms per liter		50 (o)		
4022	Terbutylazine, water, filtered, recoverable, micrograms per liter				
4025	Hexazinone, water, filtered, recoverable, micrograms per liter				
4029	Bronacil, water, filtered, recoverable, micrograms per liter				
4035	Simazine, water, filtered, recoverable, micrograms per liter				
4036	Prometryn, water, filtered, recoverable, micrograms per liter				
4037	Prometon, water, filtered, recoverable, micrograms per liter				
4040	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, micrograms per liter				
4095	Fonofos, water, filtered, recoverable, micrograms per liter				
7000	Tritium, water, unfiltered, picocuries per liter			8.5	
22703	Uranium, natural, micrograms per liter				
29801	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, laboratory, milligrams per liter as calcium carbonate	158	156	156	197
30217	Dibromoethane, water, unfiltered, recoverable, micrograms per liter				
32101	Bromodichloromethane, water, unfiltered, recoverable, micrograms per liter				
32102	Tetrachloromethane, water, unfiltered, recoverable, micrograms per liter	0.5			
32103	1,2-Dichloroethane, water, unfiltered, recoverable, micrograms per liter				
32104	Tri bromomethane, water, unfiltered, recoverable, micrograms per liter				
32105	Dibromochloromethane, water, unfiltered, recoverable, micrograms per liter				
32106	Trichloromethane, water, unfiltered, recoverable, micrograms per liter				
34010	Toluene, water, unfiltered, recoverable, micrograms per liter	150	1		
34030	Benzene, water, unfiltered, recoverable, micrograms per liter				
34215	Acrylonitrile, water, unfiltered, recoverable, micrograms per liter				
34221	Anthracene, water, filtered, recoverable, micrograms per liter				
34248	Benzol alpyrene, water, filtered, recoverable, micrograms per liter	0.2 (p)			
34288	Tribromomethane, water, filtered, recoverable, micrograms per liter				
34301	Chlorobenzene, water, unfiltered, recoverable, micrograms per liter		70		
34311	Chloroethane, water, unfiltered, recoverable, micrograms per liter				
34371	Ethybenzene, water, unfiltered, recoverable, micrograms per liter		300		
34377	Fluoranthene, water, filtered, recoverable, micrograms per liter				
34396	Hexachloroethane, water, unfiltered, recoverable, micrograms per liter				
34409	Isophorone, water, filtered, recoverable, micrograms per liter				
34413	Bromomethane, water, unfiltered, recoverable, micrograms per liter				
34418	Chloromethane, water, unfiltered, recoverable, micrograms per liter				
34423	Dichloromethane, water, unfiltered, recoverable, micrograms per liter		5		
34443	Naphthalene, water, filtered, recoverable, micrograms per liter				
34462	Phenanthrene, water, filtered, recoverable, micrograms per liter				
34466	Pheno, water, filtered, recoverable, micrograms per liter				
34470	Pyrene, water, filtered, recoverable, micrograms per liter		5		
34475	Tetrachloroethene, water, unfiltered, recoverable, micrograms per liter				
34476	Tetrachloroethene, water, filtered, recoverable, micrograms per liter				
34488	Trichlorofluoromethane, water, unfiltered, recoverable, micrograms per liter				
34496	1,1-Dichloroethane, water, unfiltered, recoverable, micrograms per liter		150	5	
34501	1,1-Dichloroethene, water, unfiltered, recoverable, micrograms per liter			6	
34506	1,1,1-Trichloroethane, water, unfiltered, recoverable, micrograms per liter			200	
34511	1,1,2-Trichloroethane, water, unfiltered, recoverable, micrograms per liter			5	
34516	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter			1	
34536	1,2-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter			600	
34541	1,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter			5	
34546	trans-1,2-Dichloroethylene, water, unfiltered, recoverable, micrograms per liter			10	
34551	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter			5	
34566	1,3-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter				

Water Quality Data for Selected RCWD Production Wells
Well Nos. 203, 210, and 234
2012

Code	Parameter	MCL	No. 203	No. 210	No. 234
	Sampling date		8/22/2012	8/22/2012	8/21/2012
34571	1,4-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter		5		
34572	1,4-Dichlorobenzene, water, filtered, recoverable, micrograms per liter				
34668	Dichlorodifluoromethane, water, unfiltered, recoverable, micrograms per liter				
34696	Naphthalene, water, unfiltered, recoverable, micrograms per liter				
34699	trans-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5			
34704	cis-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	0.5			
38454	Diclofophos, water, filtered, recoverable, micrograms per liter	0.5			
38775	Dichlorvos, water, filtered, recoverable, micrograms per liter				
38933	Chlorpyrifos, water, filtered, recoverable, micrograms per liter				
39086	Alkalinity, water, filtered, incremental titration, field, milligrams per liter as calcium carbonate				
39175	Vinyl chloride, water, unfiltered, recoverable, micrograms per liter	0.5			
39180	Trichloroethylene, water, unfiltered, recoverable, micrograms per liter	5			
39381	Dieldrin, water, filtered, recoverable, micrograms per liter				
39415	Metabolachlor, water, filtered, recoverable, micrograms per liter				
39532	Malathion, water, filtered, recoverable, micrograms per liter				
39572	Diazinon, water, filtered, recoverable, micrograms per liter				
39632	Atrazine, water, filtered, recoverable, micrograms per liter				
39702	Hexachlorobutadiene, water, unfiltered, recoverable, micrograms per liter				
46342	Alachlor, water, filtered, recoverable, micrograms per liter				
49260	Acetochlor, water, filtered, recoverable, micrograms per liter				
49295	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
49933	C-14, water, filtered, percent modern		96.49		
49934	C-14, counting error, water, filtered, percent modern		0.35		
49991	Methyl acrylate, water, unfiltered, recoverable, micrograms per liter				
48999	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter				
50000	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter				
50002	Bromoethene, water, unfiltered, recoverable, micrograms per liter				
50004	tert-Butyl ethyl ether, water, unfiltered, recoverable, micrograms per liter				
50005	Methyl tert-pentyl ether, water, unfiltered, recoverable, micrograms per liter				
50305	Caffeine, water, filtered, recoverable, micrograms per liter				
50359	Metalsxyl, water, filtered, recoverable, micrograms per liter				
61209	Perchlorate, water, unfiltered, recoverable, micrograms per liter		6		
61585	Cyfluthrin, water, filtered, recoverable, micrograms per liter				
61586	Cypermethrin, water, filtered, recoverable, micrograms per liter				
61591	Fenamiphos, water, filtered, recoverable, micrograms per liter				
61593	Iprodione, water, filtered, recoverable, micrograms per liter				
61594	Isofenphos, water, filtered, recoverable, micrograms per liter				
61596	Metalsxyl, water, filtered, recoverable, micrograms per liter				
61598	Methidathion, water, filtered, recoverable, micrograms per liter				
61599	Myclobutanil, water, filtered, recoverable, micrograms per liter				
61601	Phosmet, water, filtered, recoverable, micrograms per liter				
61610	Tribufos, water, filtered, recoverable, micrograms per liter				
61618	2-Chloro-2,6-diethylacetanilide, water, filtered, recoverable, micrograms per liter				
61620	2-Ethyl-6-methylaniline, water, filtered, recoverable, micrograms per liter				
61625	3,4-Dichloroaniline, water, filtered, recoverable, micrograms per liter				
61633	4-Chloro-2-methylphenol, water, filtered, recoverable, micrograms per liter				
61635	Azinphos-methyl oxygen analog, water, filtered, recoverable, micrograms per liter				
61636	Chlorthiotos oxonox, water, filtered, recoverable, micrograms per liter				
61644	Ethion monoxon, water, filtered, recoverable, micrograms per liter				
61645	Fenamiphos sulfone, water, filtered, recoverable, micrograms per liter				
61646	Fenamiphos sulfoxide, water, filtered, recoverable, micrograms per liter				
61652	Malaoxon, water, filtered, recoverable, micrograms per liter				
61664	Methyl paraoxon, water, filtered, recoverable, micrograms per liter				

Water Quality Data for Selected RCWD Production Wells
Well Nos. 203, 210, and 234
2012

Code	Parameter	MCL	No. 203	No. 210	No. 234
	Sampling date		8/22/2012	8/22/2012	8/21/2012
61666	Phorate oxygen analog, water, filtered, recoverable, micrograms per liter				
61668	Phosmet oxygen analog, water, filtered, recoverable, micrograms per liter				
61674	Terbufos oxygen analog sulfone, water, filtered, recoverable, micrograms per liter				
61705	Diethoxyoctylphenol, water, filtered, recoverable, micrograms per liter				
61706	Monooethoxyoctylphenol, water, filtered, recoverable, micrograms per liter				
62005	Cotinine, water, filtered, recoverable, micrograms per liter				
62054	1-Methylnaphthalene, water, filtered, recoverable, micrograms per liter				
62055	2,6-Dimethylnaphthalene, water, filtered, recoverable, micrograms per liter				
62056	2-Methylnaphthalene, water, filtered, recoverable, micrograms per liter				
62057	3-beta-Coprostanol, water, filtered, recoverable, micrograms per liter				
62058	3-Methyl-1H-indole, water, filtered, recoverable, micrograms per liter				
62059	3-tert-Butyl-4-hydroxyanisole, water, filtered, recoverable, micrograms per liter				
62060	4-Cumylphenol, water, filtered, recoverable, micrograms per liter				
62061	4-Octylphenol, water, filtered, recoverable, micrograms per liter				
62062	4-tert-Octylphenol, water, filtered, recoverable, micrograms per liter				
62063	5-Methyl-1H-benzotrazole, water, filtered, recoverable, micrograms per liter				
62064	Acetophenone, water, filtered, recoverable, micrograms per liter				
62065	Acetyl hexamethyl tetrahydro naphthalene, water, filtered, recoverable, micrograms per liter				
62066	9,10-Anthraquinone, water, filtered, recoverable, micrograms per liter				
62067	Benzophenone, water, filtered, recoverable, micrograms per liter				
62068	beta-Sitosterol, water, filtered, recoverable, micrograms per liter				
62070	Camphor, water, filtered, recoverable, micrograms per liter				
62071	Carbazole, water, filtered, recoverable, micrograms per liter				
62072	Cholesterol, water, filtered, recoverable, micrograms per liter				
62073	D-Limonene, water, filtered, recoverable, micrograms per liter				
62075	Hexahydrohexamethyl cyclopentabenzopyran, water, filtered, recoverable, micrograms per liter				
62076	Indole, water, filtered, recoverable, micrograms per liter				
62077	Isoborneol, water, filtered, recoverable, micrograms per liter				
62078	Isopropylbenzene, water, filtered, recoverable, micrograms per liter				
62079	Isoquinaline, water, filtered, recoverable, micrograms per liter				
62080	Menthol, water, filtered, recoverable, micrograms per liter				
62081	Methyl salicylate, water, filtered, recoverable, micrograms per liter				
62082	DEET, water, filtered, recoverable, micrograms per liter				
62083	Diethoxynonylphenol, water, filtered, recoverable, micrograms per liter				
62084	p-Cresol, water, filtered, recoverable, micrograms per liter				
62085	4-Nonylphenol, water, filtered, recoverable, micrograms per liter				
62086	beta-Stigmastanol, water, filtered, recoverable, micrograms per liter				
62087	Tris(2-chloroethyl) phosphate, water, filtered, recoverable, micrograms per liter				
62088	Tris(dichloroisopropyl) phosphate, water, filtered, recoverable, micrograms per liter				
62089	Tributyl phosphate, water, filtered, recoverable, micrograms per liter				
62090	Tricosan, water, filtered, recoverable, micrograms per liter				
62091	Triethyl citrate, water, filtered, recoverable, micrograms per liter				
62092	Triphenyl, water, filtered, recoverable, micrograms per liter				
62093	Tris(2-butoxyethyl) phosphate, water, filtered, recoverable, micrograms per liter				
62166	Fipronil, water, filtered, recoverable, micrograms per liter				
62167	Fipronil sulfide, water, filtered, recoverable, micrograms per liter				
62168	Fipronil sulfone, water, filtered, recoverable, micrograms per liter				
62169	Desulfurifipronil amide, water, filtered, recoverable, micrograms per liter				
62170	Desulfurifipronil, water, filtered, recoverable, micrograms per liter				
62854	Total nitrogen, (NH ₃ +NO ₂ +NO ₃ -Organic), filtered, milligrams per liter	6			
63790	Perchlorate, water, filtered, recoverable, micrograms per liter				
70300	Residue on evaporation, dried at 180 degrees Celsius, water, filtered, milligrams per liter	1500	459	536	610
70301	Residue, water, filtered, sum of constituents, milligrams per liter		450	533	628

Water Quality Data for Selected RCWD Production Wells
Well Nos. 203, 210, and 234
2012

Code	Parameter	MCL	No. 203	No. 210	No. 234
		8/22/2012	8/22/2012	8/21/2012	8/21/2012
70303	Sampling date				
Residue, water, filtered, tons per acre-foot					
771846	Ammonia, water, filtered, milligrams per liter as NH ₄		< 0.013	< 0.013	< 0.013
71851	Nitrate, water, filtered, milligrams per liter	45 (q)	3.6	13.2	22
71856	Nitrite, water, filtered, milligrams per liter		< 0.003	< 0.003	< 0.003
71865	Iodide, water, filtered, milligrams per liter		0.01	0.002	0.002
71870	Bromide, water, filtered, milligrams per liter		0.226	0.15	0.273
72019	Depth to water level, feet below land surface				
73547	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, micrograms per liter				
73570	Ethyl methacrylate, water, unfiltered, recoverable, micrograms per liter				
75985	Tritium 2-sigma combined uncertainty, water, unfiltered, picocuries per liter				
76002	Rn-222, 2-sigma combined uncertainty, water, unfiltered, picocuries per liter				
77041	Carbon disulfide, water, unfiltered, micrograms per liter				
77093	cis-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter		6		
77103	n-Butyl methyl ketone, water, unfiltered, recoverable, micrograms per liter				
77128	Styrene, water, unfiltered, recoverable, micrograms per liter	100			
77135	o-Xylene, water, unfiltered, recoverable, micrograms per liter				
77168	1,1-Dichloropropene, water, unfiltered, recoverable, micrograms per liter				
77170	2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter				
77173	1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter				
77220	2-Ethyltoluene, water, unfiltered, recoverable, micrograms per liter				
77221	1,2,3-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter				
77222	1,2,4-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter				
77223	Isopropylbenzene, water, unfiltered, recoverable, micrograms per liter				
77224	n-Propylbenzene, water, unfiltered, recoverable, micrograms per liter				
77226	1,3,5-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter				
77227	2-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter				
77227	4-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter				
77229	Bromoform, water, unfiltered, recoverable, micrograms per liter				
77342	n-Butylbenzene, water, unfiltered, recoverable, micrograms per liter				
77350	sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter				
77353	tert-Butylbenzene, water, unfiltered, recoverable, micrograms per liter				
77356	4-Isopropyltoluene, water, unfiltered, recoverable, micrograms per liter				
77424	Iodomethane, water, unfiltered, recoverable, micrograms per liter				
77443	1,2,3-Trichloropropene, water, unfiltered, recoverable, micrograms per liter				
77562	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter				
77613	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter				
77651	1,2-Dibromoethane, water, unfiltered, recoverable, micrograms per liter	0.05			
77652	1,1,2-Trichloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, micrograms per liter				
78032	Methyl tert-butyl ether, water, unfiltered, recoverable, micrograms per liter				
78109	3-Chloropropene, water, unfiltered, recoverable, micrograms per liter				
78133	Isobutyl methyl ketone, water, unfiltered, recoverable, micrograms per liter				
81552	Acetone, water, unfiltered, recoverable, micrograms per liter				
81555	Bromobenzene, water, unfiltered, recoverable, micrograms per liter				
81576	Diethyl ether, water, unfiltered, recoverable, micrograms per liter				
81577	Diospyros ether, water, unfiltered, recoverable, micrograms per liter				
81593	Methyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter				
81595	Ethy methyl ketone, water, unfiltered, recoverable, micrograms per liter				
81597	Methyl methacrylate, water, unfiltered, recoverable, micrograms per liter				
81607	Tetrahydrofuran, water, unfiltered, recoverable, micrograms per liter				
82081	C-13/C-12 ratio, water, unfiltered, per mil				-12.38
82082	Deuterium/Potassium ratio, water, unfiltered, per mil				-62.6
82085	Oxygen-18/Oxygen-16 ratio, water, unfiltered, per mil				-7.94
82303	Rn-222, water, unfiltered, picocuries per liter				

**Water Quality Data for Selected RCWD Production Wells
Well Nos. 203, 210, and 234
2012**

Code	Parameter	MCL	No. 203	No. 210	No. 234
	Sampling date		8/22/2012	8/22/2012	8/21/2012
82346	Ethion, water, filtered, recoverable, micrograms per liter				
82625	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, micrograms per liter				
82630	Metrizoin, water, filtered, recoverable, micrograms per liter				
82660	2,6-Diethylvaniline, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82661	Trifluorain, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82662	Dimethoate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82664	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82667	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82670	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82673	Benturalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82675	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82676	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82680	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82682	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82683	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82686	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
82687	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter				
85795	m-Xylene plus p-xylene, water, unfiltered, recoverable, micrograms per liter		739	852	967
90095	Specific conductance, water, unfiltered, laboratory, microsiemens per centimeter at 25 degrees Celsius				
90851	Trihalomethanes, water, unfiltered, calcd, micrograms per liter				
90867	Trihalomethanes, water, unfiltered, calcd, micrograms per liter				
99583	Bisphenol A-d3, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery				
99584	Caffeine-d3C, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery				
99585	Decafluorobiphenyl, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery				
99586	Fluoranthene-d10, surrogate, Schedule/lab code 2033/8033, water, filtered, percent recovery				
99832	1,2-Dichloroethane-d4, surrogate, Schedule 2090, water, unfiltered, percent recovery				
99833	Toluene-d8, surrogate, Schedule 2090, water, unfiltered, percent recovery				
99834	1-Bromo-4-fluorobenzene, surrogate, VOC schedules, water, unfiltered, percent recovery				
99994	Diazinon-d10, surrogate, Schedule 2003, water, filtered, percent recovery				
99995	alpha-HCH-d6, surrogate, Schedule 2003, water, filtered, percent recovery				

Notes:

- U.S. EPA STORET numbers for MCLs correspond to the same as the USGS NWIS data parameter number except as follows:
- (a) MCL shown for U.S. EPA STORET No. 620.
 - (b) MCL shown for U.S. EPASTORET No. 1077.
 - (c) MCL shown for U.S. EPA STORET No. 1002.
 - (d) MCL shown for U.S. EPA STORET No. 1007.
 - (e) MCL shown for U.S. EPA STORET No. 1012.
 - (f) MCL shown for U.S. EPA STORET No. 1027.
 - (g) MCL shown for U.S. EPA STORET No. 1034.
 - (h) MCL shown for U.S. EPA STORET No. 1042.
 - (i) MCL shown for U.S. EPA STORET No. 1059.
 - (j) MCL shown for U.S. EPA STORET No. 1067.
 - (k) MCL shown for U.S. EPASTORET No. 1092.
 - (l) MCL shown for U.S. EPA STORET No. 1097.
 - (m) MCL shown for U.S. EPA STORET No. 1105.
 - (n) MCL shown for U.S. EPA STORET No. 1147.
 - (o) MCL shown for U.S. EPA STORET No. 3247.
 - (p) MCL shown for U.S. EPA STORET No. 71850.

Code--Data parameter number used in USGS National Water Information System (NWIS).

E--Estimated.

M--Present but not quantified.

MCL--Maximum Contaminant Level reported by California DHS (May 25, 2007 Database) for U.S. EPA STORET number.

V--Biased results from contamination.

ANNUAL REPORT

**COOPERATIVE WATER RESOURCE
MANAGEMENT AGREEMENT**

CALENDAR YEAR 2015

APPENDIX F

**WATER QUALITY DATA FOR
MWD AQUEDUCT NO. 5 DISCHARGE AT OUTLET WR-34**

Water Quality Data for MWD Aqueduct No. 5 Discharge at Outlet WR-34
RCWD Water Quality Sampling Station No. WR-34
Data Collected by RCWD

Parameter	Sampling Date	WR-34	WR-34	WR-34	WR-34	WR-34	WR-34	WR-34
Dissolved Oxygen, milligrams per liter	5/30/2012	7/12/2012	8/28/2012	9/18/2012	11/1/2012	12/21/2012	1/24/2013	
pH, standard units								
Total Dissolved Solids, milligrams per liter	470	390	350	390	310	320	330	
Specific Conductance, microsiemens per centimeter at 25 degrees Celsius								
Temperature, water, degrees Celsius								
Aluminum, micrograms per liter	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Ammonia, milligrams per liter as nitrogen								
Antimony, micrograms per liter								
Arsenic, micrograms per liter								
Barium, micrograms per liter								
Beryllium, micrograms per liter								
Bicarbonate as HCO ₃ , milligrams per liter	130	< 3.0	100	< 3.0	100	< 3.0	96	100
Carbonate as CO ₃ , milligrams per liter								< 3.0
Chloride, milligrams per liter								
Cyanide, milligrams per liter								
Fluoride, milligrams per liter								
Hydroxide as OH, milligrams per liter	< 3.0	< 0.2	< 0.2	< 0.2	< 3.0	< 3.0	< 3.0	< 3.0
Inorganic Nitrogen, milligrams per liter								
Kjeldahl Nitrogen, milligrams per liter	0.48	0.41	0.23	0.58	0.35	0.32	0.32	0.28
Lead, micrograms per liter								
Mercury, micrograms per liter								
Nickel, micrograms per liter								
Nitrate Nitrogen, milligrams per liter	< 0.20	< 0.20	< 0.20	< 0.20	0.27	< 0.20	< 0.20	< 1.0
Nitrite Nitrogen, milligrams per liter	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nitrogen (Total), milligrams per liter	0.41	0.41	0.41	0.58	0.58			
Organic Nitrogen, milligrams per liter	0.4	0.4	0.6	0.6				
Ortho Phosphate Phosphorus, milligrams per liter	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Perchlorate, micrograms per liter								
Phosphorus (Total), milligrams per liter		< 0.05						
Selenium, micrograms per liter								
Silver, micrograms per liter								
Sulfate, milligrams per liter								
Thallium, micrograms per liter								
Total Alkalinity as CaCO ₃ , milligrams per liter	100	84	82	79	79	79	85	
Total Chromium, milligrams per liter								
Total Suspended Solids, milligrams per liter								

Water Quality Data for MWD Aqueduct No. 5 Discharge at Outlet WR-34
RCWD Water Quality Sampling Station No. WR-34
Data Collected by RCWD

Parameter	Sampling Date	WR-34	WR-34	WR-34	WR-34	WR-34	WR-34	WR-34
Dissolved Oxygen, milligrams per liter	2/11/2013	3/5/2013	4/12/2013	5/15/2013	6/12/2013	7/11/2013	8/12/2013	8/6/2013
pH, standard units								
Total Dissolved Solids, milligrams per liter	390	350	480	500	620	580	710	
Specific Conductance, microsiemens per centimeter at 25 degrees Celsius								
Temperature, water, degrees Celsius								
Aluminum, micrograms per liter								
Ammonia, milligrams per liter as nitrogen	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Antimony, micrograms per liter								
Arsenic, micrograms per liter								
Barium, micrograms per liter								
Beryllium, micrograms per liter								
Bicarbonate as HCO ₃ , milligrams per liter	110	110	130	130	140	140	59	
Carbonate as CO ₃ , milligrams per liter	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Chloride, milligrams per liter								
Cyanide, milligrams per liter								
Fluoride, milligrams per liter								
Hydroxide as OH, milligrams per liter	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Inorganic Nitrogen, milligrams per liter	< 0.20	0.27	< 0.20	0.20	0.20	0.20	< 0.20	< 0.20
Kieldahl Nitrogen, milligrams per liter	0.20	0.79	< 0.10	0.31	0.33	0.35	0.38	
Lead, micrograms per liter								
Mercury, micrograms per liter								
Nickel, micrograms per liter								
Nitrate Nitrogen, milligrams per liter	< 0.20	0.27	< 0.20	0.20	0.20	0.20	< 0.20	< 0.20
Nitrite Nitrogen, milligrams per liter	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nitrogen (Total), milligrams per liter								
Organic Nitrogen, milligrams per liter								
Ortho Phosphate Phosphorus, milligrams per liter	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Perchlorate, micrograms per liter								
Phosphorus (Total), milligrams per liter								
Selenium, micrograms per liter								
Silver, micrograms per liter								
Sulfate, milligrams per liter								
Thallium, micrograms per liter								
Total Alkalinity as CaCO ₃ , milligrams per liter	90	87	110	110	110	110	48	
Total Chromium, micrograms per liter								
Total Suspended Solids, milligrams per liter								

Water Quality Data for MWD Aqueduct No. 5 Discharge at Outlet WR-34
RCWD Water Quality Sampling Station No. WR-34
Data Collected by RCWD

Parameter	Sampling Date	WR-34	WR-34	WR-34	WR-34	WR-34	WR-34	WR-34
Dissolved Oxygen, milligrams per liter	9/11/2013	10/3/2013	11/1/2013	12/12/2013	2/7/2014	3/14/2014	4/16/2014	4/16/2014
pH, standard units								
Total Dissolved Solids, milligrams per liter	630	550	540	580	540	480	540	
Specific Conductance, microsiemens per centimeter at 25 degrees Celsius								
Temperature, water, degrees Celsius								
Aluminum, micrograms per liter								
Ammonia, milligrams per liter as nitrogen	< 0.10	< 0.059	< 0.10	< 0.10	< 0.10	< 0.11	0.11	0.15
Antimony, micrograms per liter								
Arsenic, micrograms per liter								
Barium, micrograms per liter								
Beryllium, micrograms per liter								
Bicarbonate as HCO ₃ , milligrams per liter	140	89	140	150	160	140	160	
Carbonate as CO ₃ , milligrams per liter	< 3.0	< 1.7	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Chloride, milligrams per liter								
Cyanide, milligrams per liter								
Fluoride, milligrams per liter								
Hydroxide as OH, milligrams per liter	< 3.0	< 1.7	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Inorganic Nitrogen, milligrams per liter	< 0.20	< 0.11	< 0.20	< 0.20	< 0.20	0.23	0.35	0.57
Kjeldahl Nitrogen, milligrams per liter	0.26	0.28	0.36	0.28	0.52	0.52	0.16	0.36
Lead, micrograms per liter								
Mercury, micrograms per liter								
Nickel, micrograms per liter								
Nitrate Nitrogen, milligrams per liter	< 0.20	< 0.11	< 0.20	< 0.20	0.23	0.24	0.42	
Nitrite Nitrogen, milligrams per liter	< 0.10	< 0.017	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nitrogen (Total), milligrams per liter								
Organic Nitrogen, milligrams per liter								
Ortho Phosphate Phosphorus, milligrams per liter	< 0.050	< 0.028	< 0.050	< 0.050	0.12	< 0.050		
Perchlorate, micrograms per liter								
Phosphorus (Total), milligrams per liter		< 0.01						
Selenium, micrograms per liter								
Silver, micrograms per liter								
Sulfate, milligrams per liter								
Thallium, micrograms per liter								
Total Alkalinity as CaCO ₃ , milligrams per liter								
Total Chromium, micrograms per liter	110	73	120	120	130	120	130	
Total Suspended Solids, milligrams per liter								

Water Quality Data for MWD Aqueduct No. 5 Discharge at Outlet WR-34
RCWD Water Quality Sampling Station No. WR-34
Data Collected by RCWD

Parameter	WR-34	WR-34	WR-34	WR-34	WR-34	WR-34	WR-34
Sampling Date	5/29/2014	6/10/2014	8/13/2014	9/16/2014	10/14/2014	11/14/2014	12/11/2014
Dissolved Oxygen, milligrams per liter							
pH, standard units							
Total Dissolved Solids, milligrams per liter	480	570	440	550	680	620	610
Specific Conductance, microsiemens per centimeter at 25 degrees Celsius							
Temperature, water, degrees Celsius							
Aluminum, micrograms per liter	< 0.10	0.47	< 0.10	< 0.10	< 0.10	0.14	< 0.059
Ammonia, milligrams per liter as nitrogen							
Antimony, micrograms per liter							
Arsenic, micrograms per liter							
Barium, micrograms per liter							
Beryllium, micrograms per liter							
Bicarbonate as HCO ₃ , milligrams per liter	140	150	120	140	140	150	150
Carbonate as CO ₃ , milligrams per liter	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 1.7
Chloride, milligrams per liter							
Cyanide, milligrams per liter							
Fluoride, milligrams per liter							
Hydroxide as OH, milligrams per liter	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 1.7
Inorganic Nitrogen, milligrams per liter	0.24	0.47	< 0.20	< 0.20	< 0.20	< 0.20	< 0.11
Kjeldahl Nitrogen, milligrams per liter	0.37	0.41	0.38	0.26	0.29	0.39	0.20
Lead, micrograms per liter							
Mercury, micrograms per liter							
Nickel, micrograms per liter							
Nitrate Nitrogen, milligrams per liter	0.24	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.11
Nitrite Nitrogen, milligrams per liter	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.046
Nitrogen (Total), milligrams per liter							
Organic Nitrogen, milligrams per liter							
Ortho Phosphate Phosphorus, milligrams per liter	< 0.050	0.055	0.068	< 0.050	< 0.050	< 0.050	< 0.0028
Perchlorate, micrograms per liter							
Phosphorus (Total), milligrams per liter							
Selenium, micrograms per liter							
Silver, micrograms per liter							
Sulfate, milligrams per liter							
Thallium, micrograms per liter							
Total Alkalinity as CaCO ₃ , milligrams per liter	110	120	98	120	120	120	130
Total Chromium, milligrams per liter							
Total Suspended Solids, milligrams per liter							

Water Quality Data for MWD Aqueduct No. 5 Discharge at Outlet WR-34
RCWD Water Quality Sampling Station No. WR-34
Data Collected by RCWD

Parameter	WR-34 1/13/2015	WR-34 3/12/2015	WR-34 4/15/2015	WR-34 5/19/2015	WR-34 6/10/2015	WR-34 7/16/2015	WR-34 8/13/2015
Sampling Date							
Dissolved Oxygen, milligrams per liter							
pH, standard units							
Total Dissolved Solids, milligrams per liter	600	680	660	510	500	600	640
Specific Conductance, microsiemens per centimeter at 25 degrees Celsius							
Temperature, water, degrees Celsius							
Aluminum, micrograms per liter							
Ammonia, milligrams per liter as nitrogen	< 0.059	< 0.059	< 0.059	< 0.059	< 0.059	< 0.059	< 0.059
Antimony, micrograms per liter							
Arsenic, micrograms per liter							
Barium, micrograms per liter							
Beryllium, micrograms per liter							
Bicarbonate as HCO ₃ , milligrams per liter	160	150	150	140	140	150	150
Carbonate as CO ₃ , milligrams per liter	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Chloride, milligrams per liter							
Cyanide, milligrams per liter							
Fluoride, milligrams per liter							
Hydroxide as OH, milligrams per liter	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Inorganic Nitrogen, milligrams per liter	0.22	< 0.11	0.32	0.26	< 0.11	< 0.11	< 0.2
Keldahl Nitrogen, milligrams per liter	0.32	0.31	0.37	0.53	0.39	0.35	0.24
Lead, micrograms per liter							
Mercury, micrograms per liter							
Nickel, micrograms per liter	0.22	< 0.11	0.32	0.26	< 0.11	< 0.11	< 0.11
Nitrate Nitrogen, milligrams per liter	< 0.046	< 0.046	< 0.046	< 0.046	< 0.046	< 0.046	< 0.046
Nitrite Nitrogen, milligrams per liter							
Nitrogen (Total), milligrams per liter							
Organic Nitrogen, milligrams per liter							
Ortho Phosphate Phosphorus, milligrams per liter							
Perchlorate, micrograms per liter							
Phosphorus (Total), milligrams per liter							
Selenium, micrograms per liter							
Silver, micrograms per liter							
Sulfate, milligrams per liter							
Thallium, micrograms per liter							
Total Alkalinity as CaCO ₃ , milligrams per liter	130	120	120	110	120	120	120
Total Chromium, milligrams per liter							
Total Suspended Solids, milligrams per liter							

Water Quality Data for MWD Aqueduct No. 5 Discharge at Outlet WR-34
RCWD Water Quality Sampling Station No. WR-34
Data Collected by RCWD

Parameter	WR-34 9/16/2015	WR-34 10/9/2015	WR-34 11/19/2015	WR-34 12/10/2015
Dissolved Oxygen, milligrams per liter				
pH, standard units				
Total Dissolved Solids, milligrams per liter	640	620	690	610
Specific Conductance, microsiemens per centimeter at 25 degrees Celsius				
Temperature, water, degrees Celsius				
Aluminum, micrograms per liter				
Ammonia, milligrams per liter as nitrogen	< 0.059	< 0.059	< 0.059	< 0.072
Antimony, micrograms per liter				
Arsenic, micrograms per liter				
Barium, micrograms per liter				
Beryllium, micrograms per liter				
Bicarbonate as HCO ₃ , milligrams per liter	160	140	150	150
Carbonate as CO ₃ , milligrams per liter	< 1.7	< 1.7	< 1.7	< 1.7
Chloride, milligrams per liter				
Cyanide, milligrams per liter				
Fluoride, milligrams per liter				
Hydroxide as OH, milligrams per liter	< 1.7	< 1.7	< 1.7	< 1.7
Inorganic Nitrogen, milligrams per liter	< 0.2	< 0.2	0.2	0.2
Keldahl Nitrogen, milligrams per liter	0.23	0.43	0.39	0.33
Lead, micrograms per liter				
Mercury, micrograms per liter				
Nickel, micrograms per liter				
Nitrate Nitrogen, milligrams per liter	< 0.11	< 0.11	< 0.11	0.20
Nitrite Nitrogen, milligrams per liter	< 0.046	< 0.046	< 0.046	< 0.017
Nitrogen (Total), milligrams per liter				
Organic Nitrogen, milligrams per liter				
Ortho Phosphate Phosphorus, milligrams per liter	< 0.0028	< 0.0028	< 0.0028	< 0.0028
Perchlorate, micrograms per liter				
Phosphorus (Total), milligrams per liter				
Selenium, micrograms per liter				
Silver, micrograms per liter				
Sulfate, milligrams per liter				
Thallium, micrograms per liter				
Total Alkalinity as CaCO ₃ , milligrams per liter	130	120	120	120
Total Chromium, micrograms per liter				
Total Suspended Solids, milligrams per liter				